1 Record
2 Rewind
3 Stop
4 Wind
5 Play
6 Tape Counter Reset
7 Tape Counter
8 Eject
9 On/Standby
10 Go To
11 Slow-Motion
12 Picture Search - forward
13 Freeze-Frame
14 Picture Search - reverse
15 Keyboard
16 End
17 'Next'
18 Call
19 Automatic Rewind
20 Pre-programme 'Block' display
21 Channel Store
22 Channel Search
23 Start indicator
24 Stop indicator
25 Clock display
26 Day indicator
27 Channel indicator
28 Clock set
29 Attention Timer indicator
30 Channel display

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2 Pages 4 to 7
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Pre-recorded cassette

A pre-recorded cassette is supplied with your VCR. On side 1 is a short, easy to follow cartoon film explaining how to operate the recorder. Side 2 is left blank for your own recordings.

The next page tells you how to play this cassette and watch the cartoon.

Instructions for use
English

Introduction

Your VCR is one of the most sophisticated yet simple-to-use home video recorders you can buy. Additionally, it uses the unique Video 2000 'flip-over' cassettes - allowing up to 8 hours recording (4 hours per side), which makes it the most economic way to enjoy home video entertainment.

Your VCR's Special Features

- Picture Search, Slow-Motion and Freeze-Frame facilities allow you to easily find, and study, any particular scene.
- You can program 15 days in advance, to record up to 5 programmes of your choice automatically.
- Go To gives you the opportunity to find any recorded programme easily.
- An optional Remote Control transmitter is available which allows you to carry out all Tape Transport functions in comfort from your armchair. You may already have a Remote Control transmitter for your TV set - if this is of a suitable type, you may be able to use it to carry out the major Tape Transport functions.
- Automatic Rewind returns the tape to the beginning when the last unattended recording finishes.

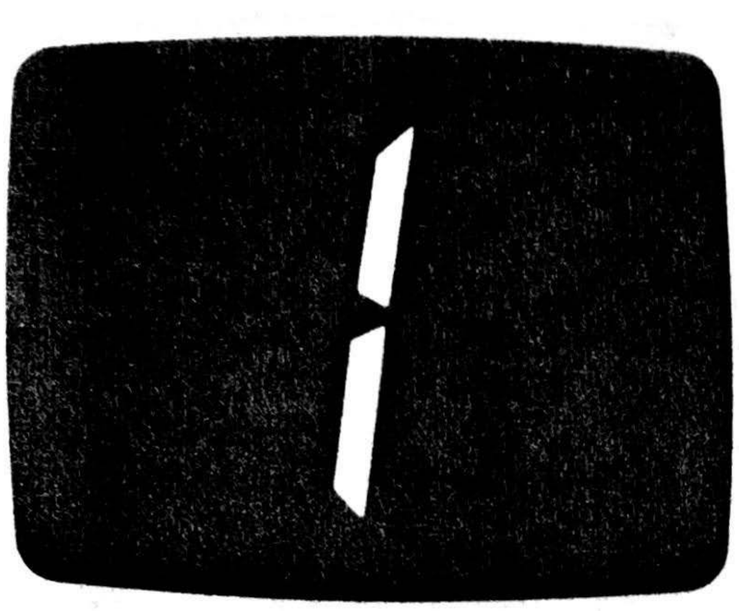
Using this book

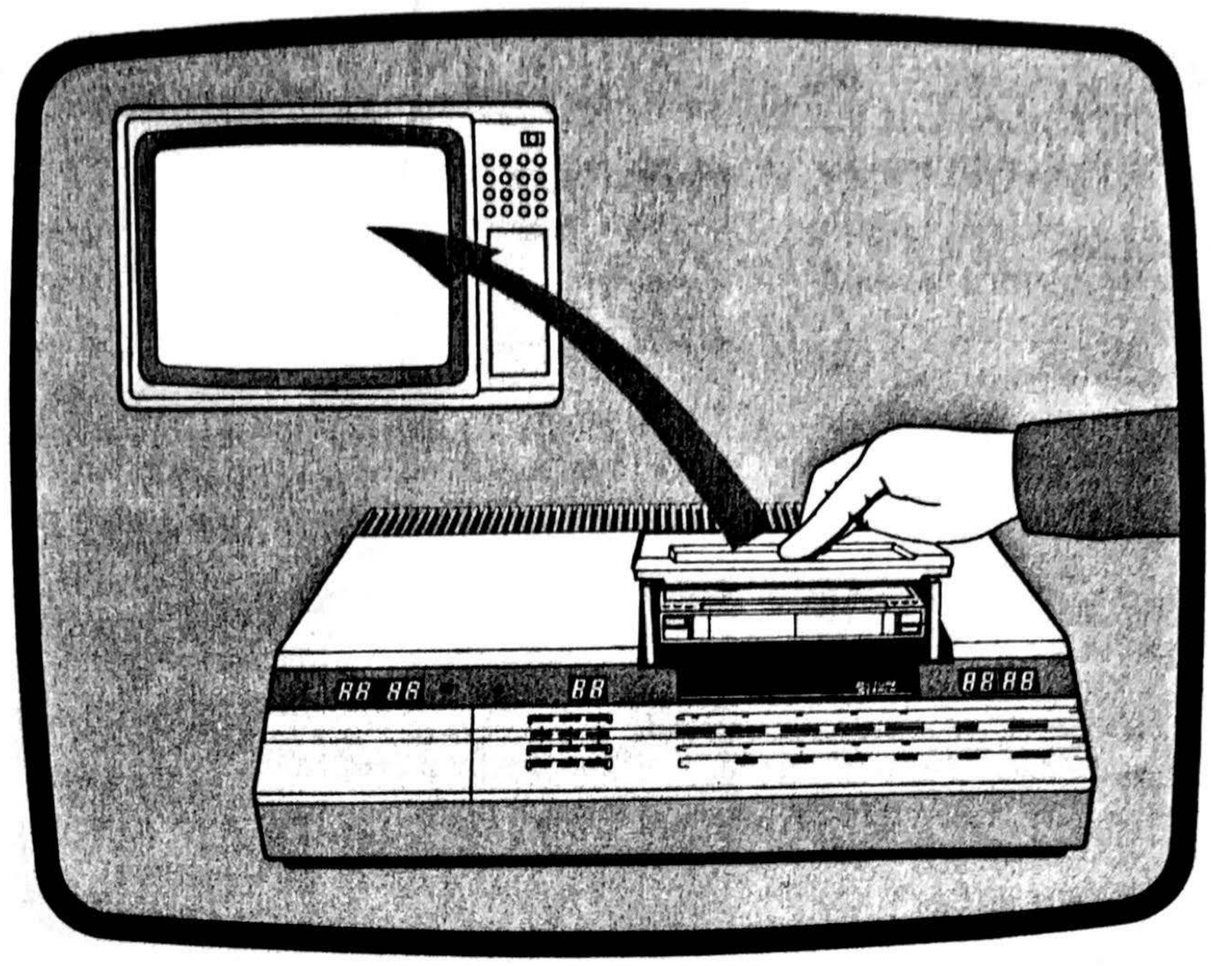
Usually your dealer will set up the VCR, so start from the front of your Instructions for Use. If not, turn to Section 5 - Setting up.
Whatever your situation, it is suggested that you read Sections 2 and 3 thoroughly to familiarise yourself with your VCR's operation.

Note on illustrations

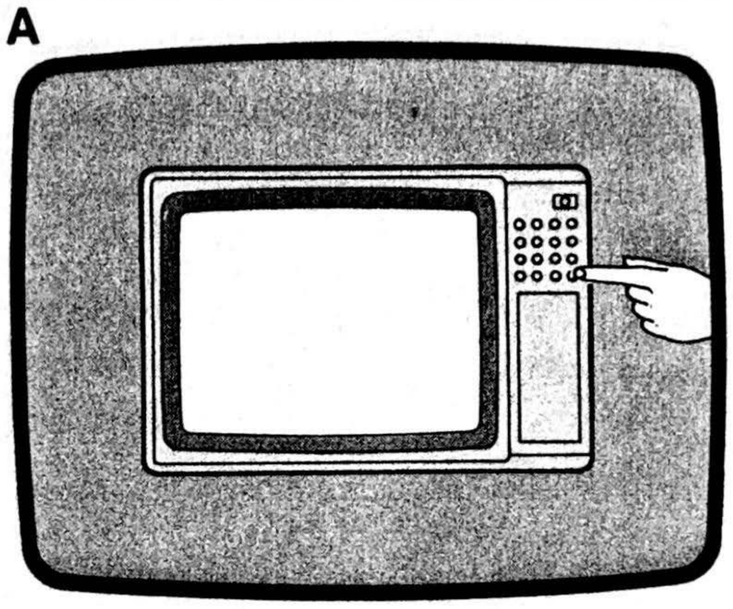
All numbers in bold type **1, 2, 3** etc., refer to the main illustration in the folder/cover.
All letters in bold type **A, B, C** etc., refer to the detail illustrations on each page.

How to watch a pre-recorded cassette





A



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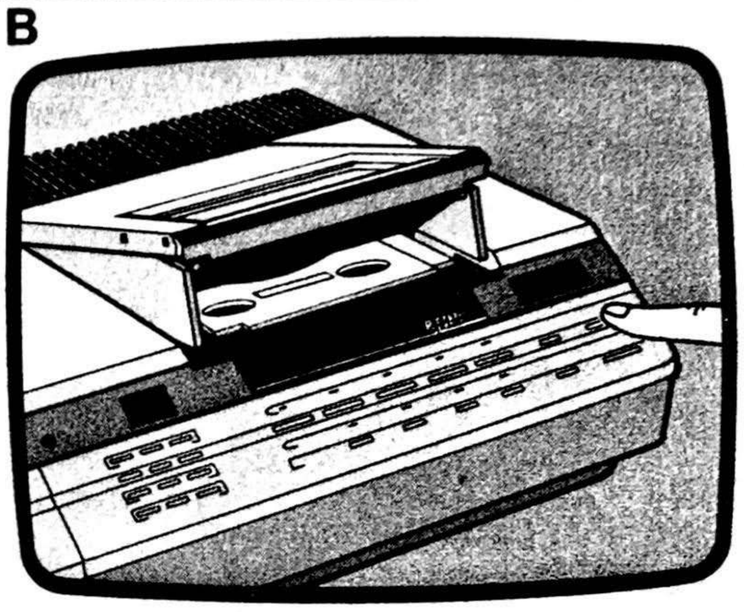
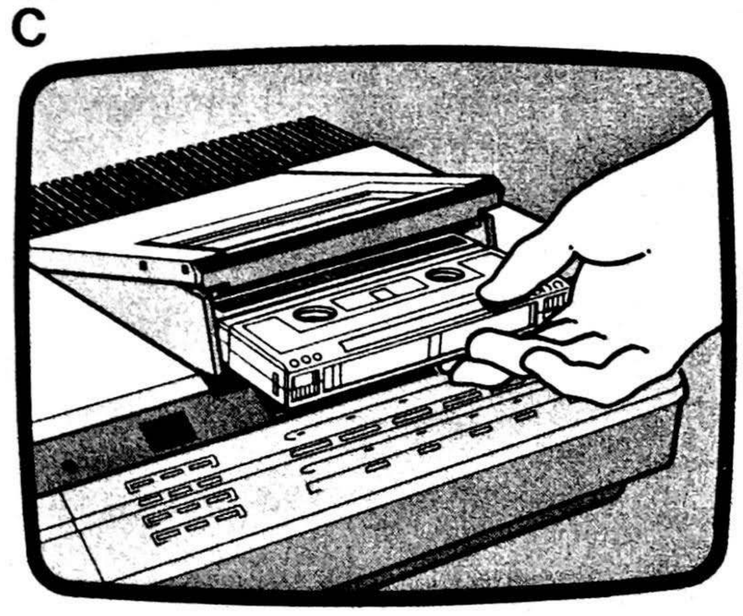


A Switch on your TV set and press the pre-selector reserved for your VCR.

B Press the Eject button **8**.

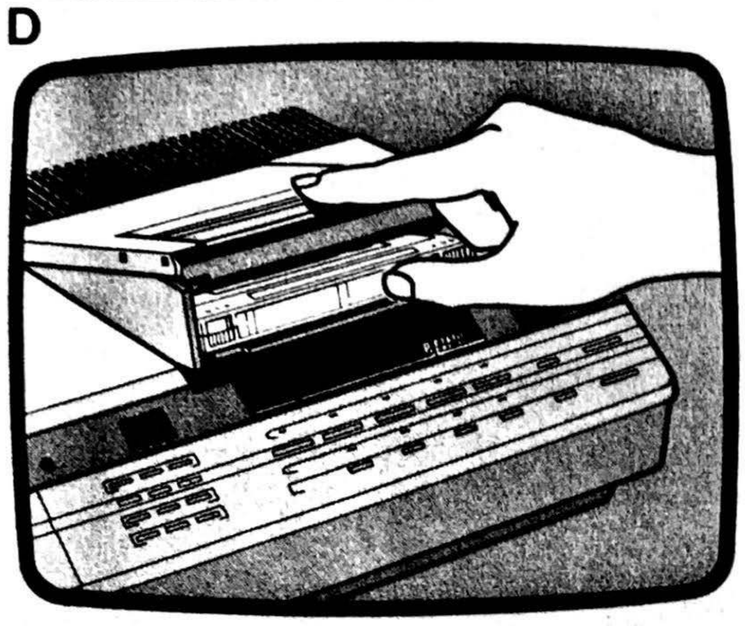
C Take the pre-recorded cassette out of its case. Place the cassette in the holder, with the title label facing you and the side with the programme to the top.

C



English

D



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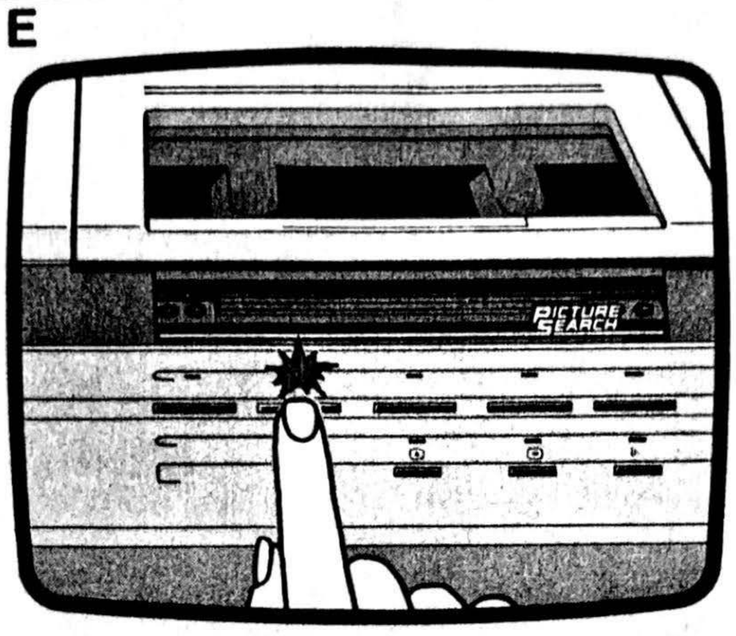

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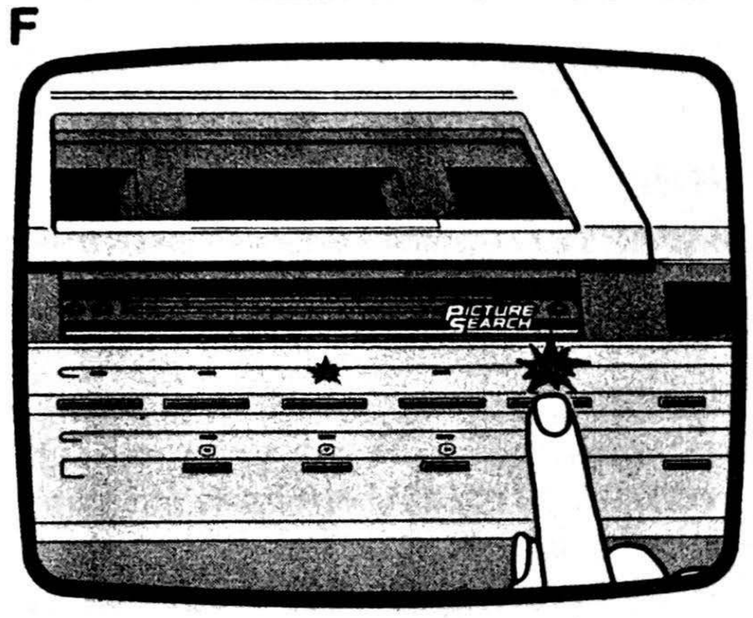

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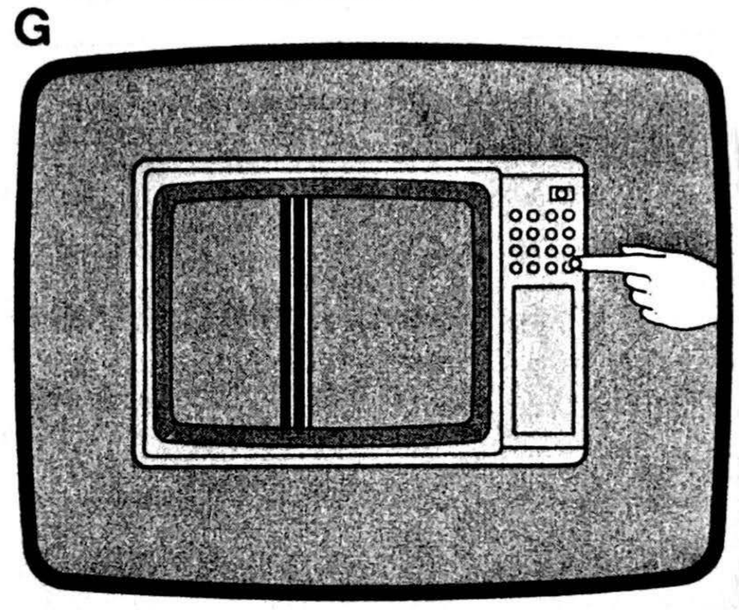


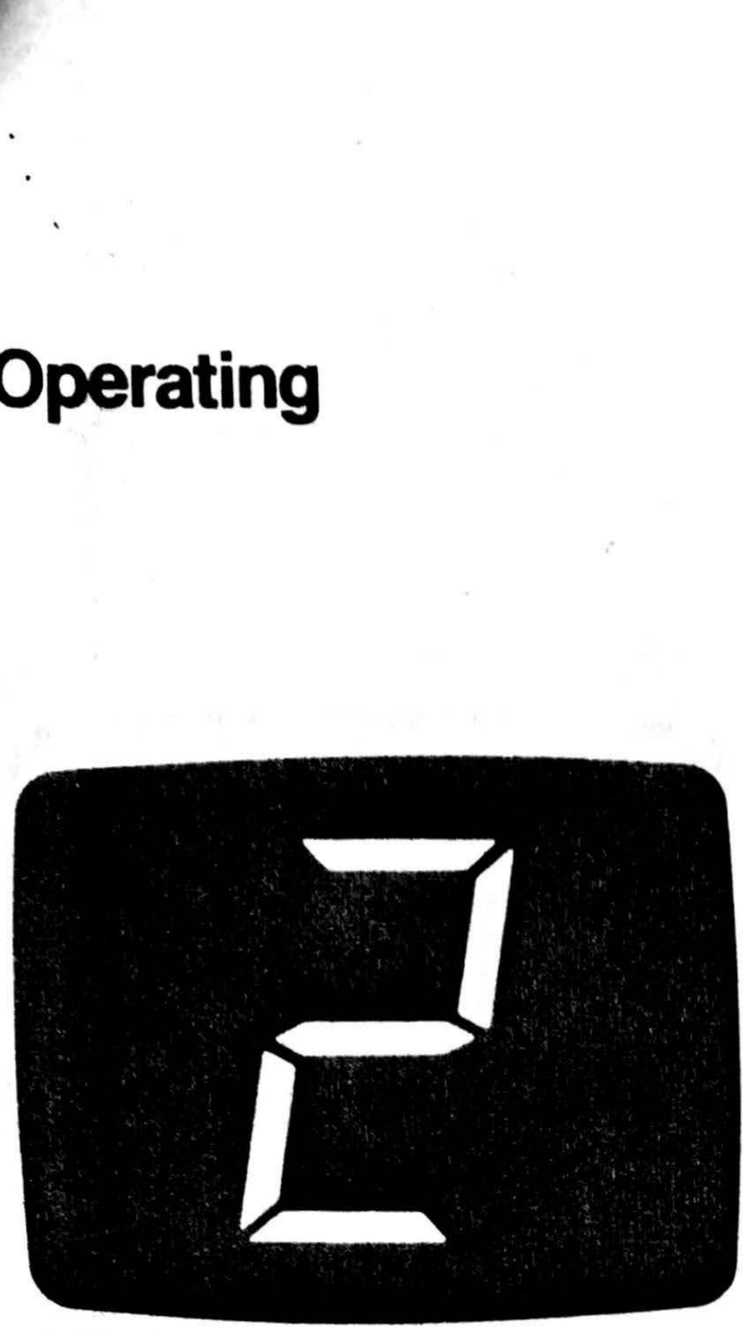
D Press the cassette holder down until it locks.

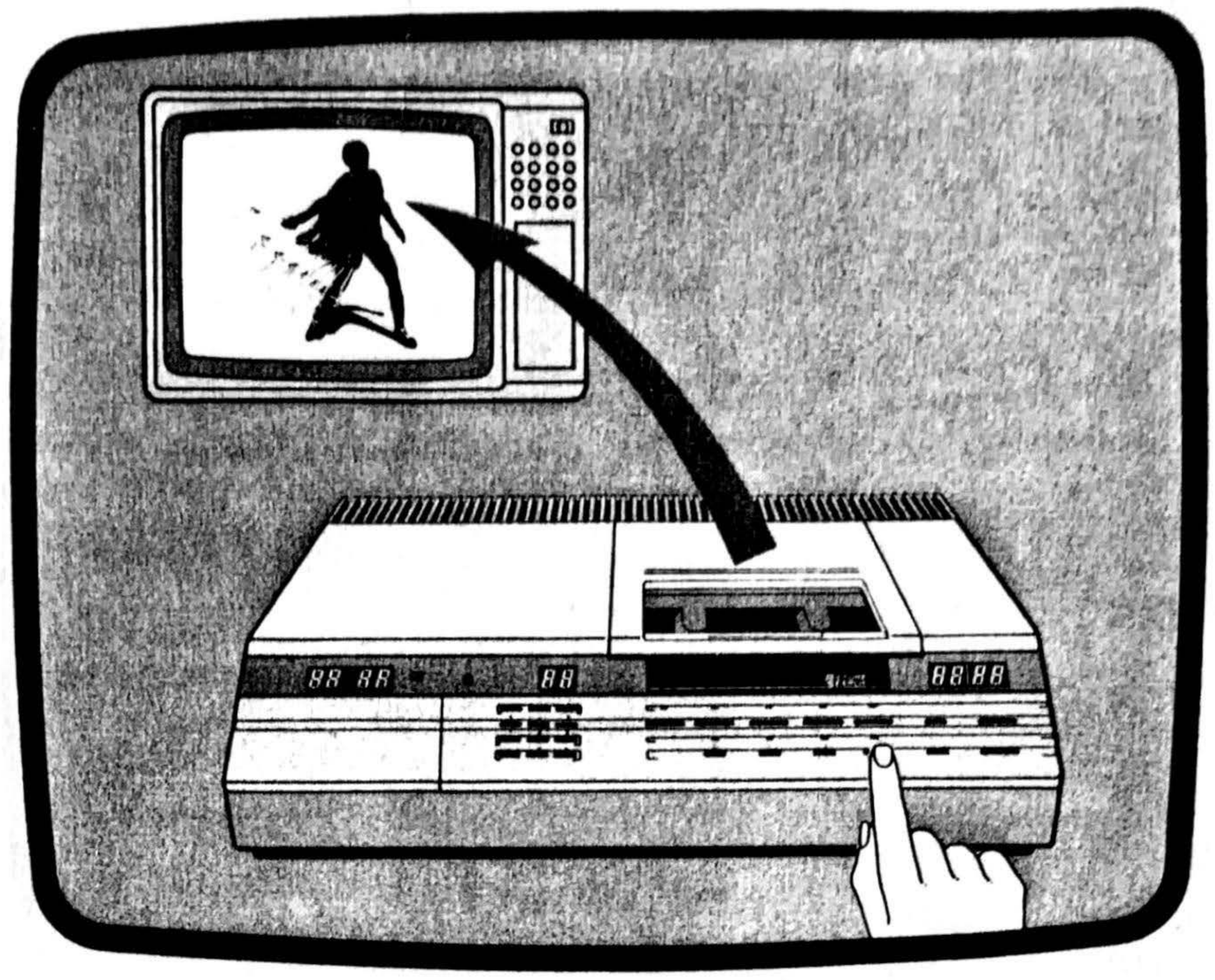
E Press the Rewind button **2**.

F When the indicator above the Stop button **3** lights, press the Play button **5**. The cassette tape starts running and the programme will be shown on your TV set.

G **Note:** If the cassette holder is open while the TV set and VCR are on and the VCR selector on your TV set is pressed, the screen will show a black and white vertical stripe. The stripe disappears when the cassette holder is closed.

Operating

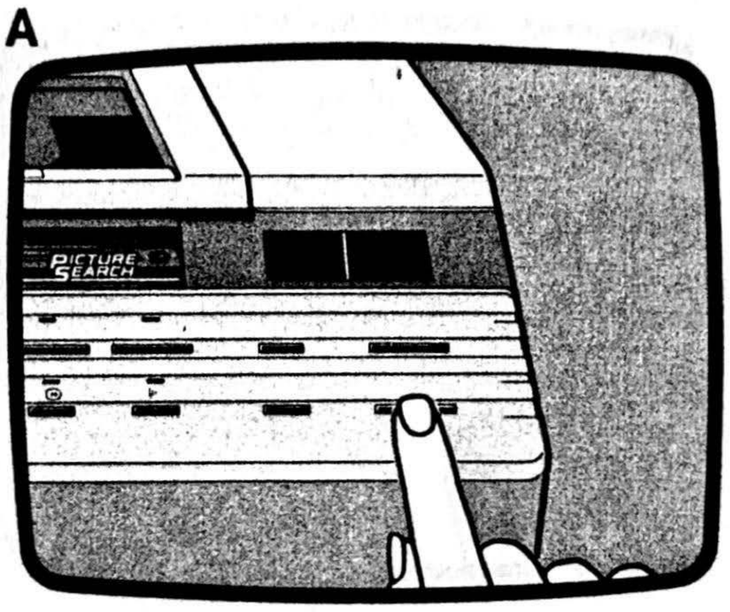




General Information

Your VCR is designed to automatically switch to the Standby condition in 3 to 4 minutes if none of the Tape transport buttons are pressed. This facility prevents the recorder being accidentally left on for long periods.
If you press any of the Tape transport buttons when the VCR is at Standby, the recorder will automatically switch on and immediately start playing, recording, rewinding etc., depending upon the button pressed.
You can go from any Tape transport button to another (except from Picture Search to Standby) without pressing the Stop button **3**.
You may press any combination of buttons on the VCR without physically harming the cassette or the recorder.
The VCR is only switched off completely when it is disconnected from the mains.
When using the VCR in any of the 'visual' feature modes; Picture Search, Freeze-Frame or Slow-Motion, the VCR pre-selector in the TV must be pressed for the picture to appear on your TV.
If your TV and VCR are connected by an AV cable, as well as, or instead of the normal antenna cables, you should read the part on AV connection in Section 5.

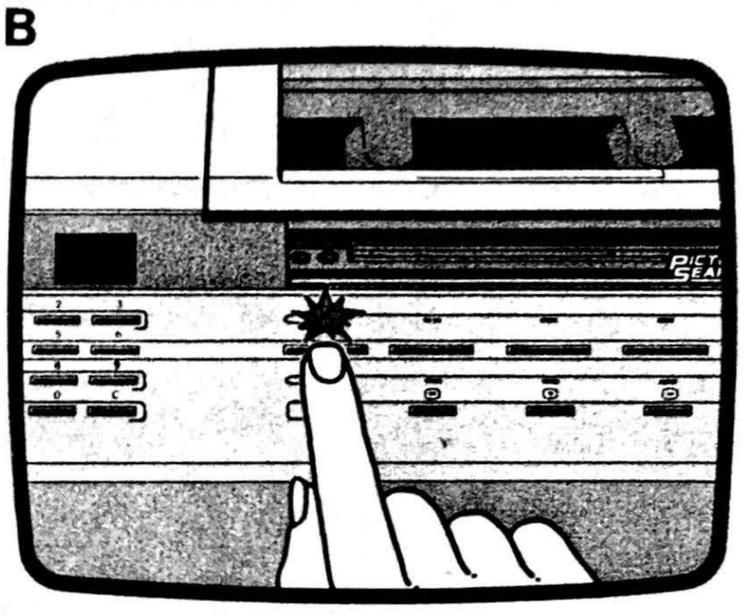
A



Switching On

A The VCR is switched on by pressing the On/Standby button **9**. When you have finished using the VCR switch back to Standby by pressing button **9** again.

B

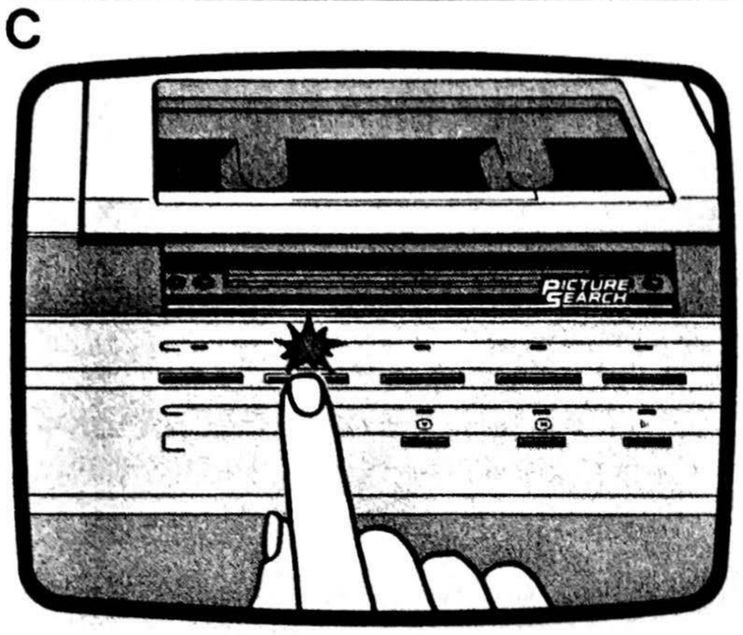


Tape transport buttons

B Record... **1**
Press this button to start recording.

English

C



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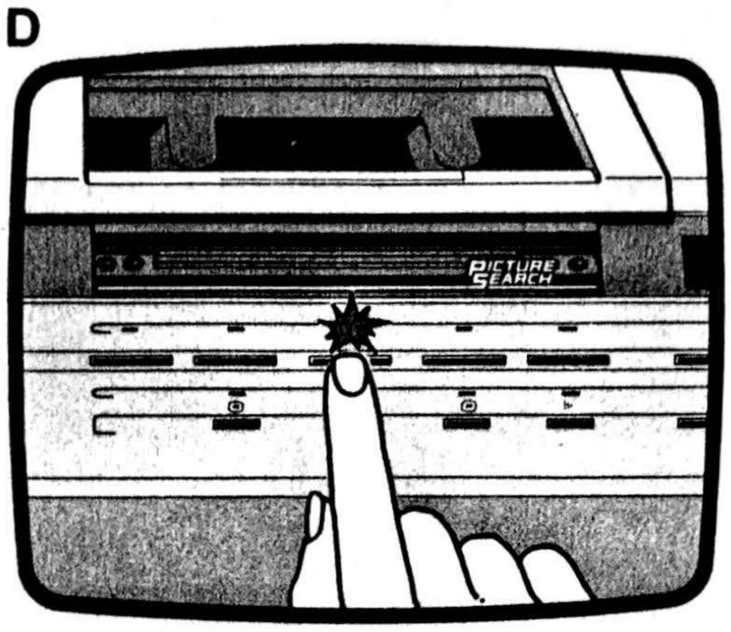

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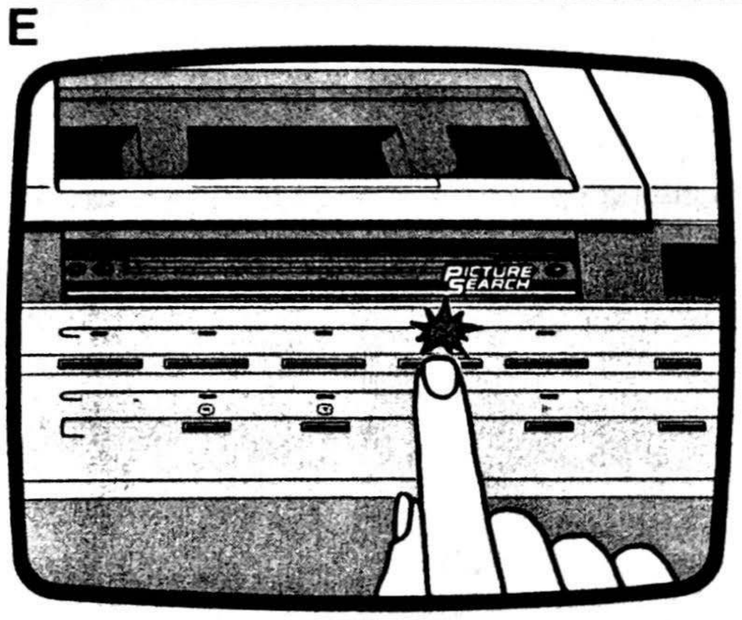

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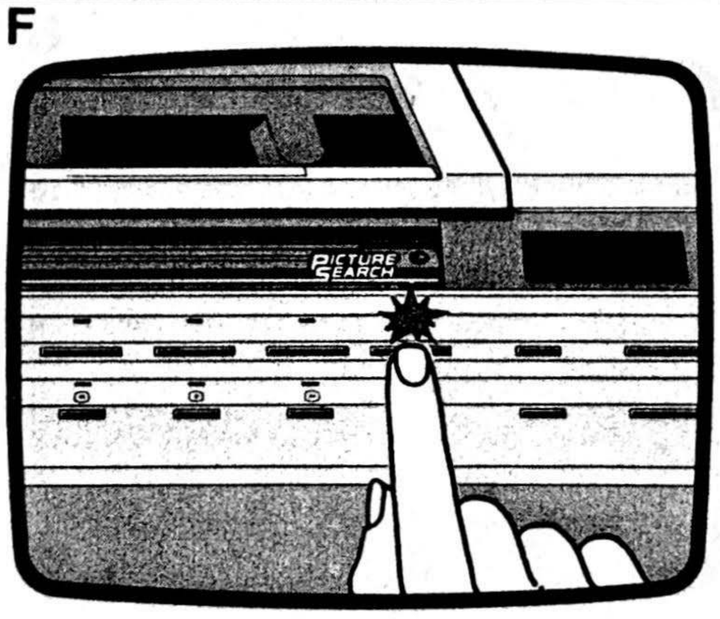


C Rewind... **2**
When this button is pressed the tape rewinds; to the beginning, or until another tape transport button is pressed.

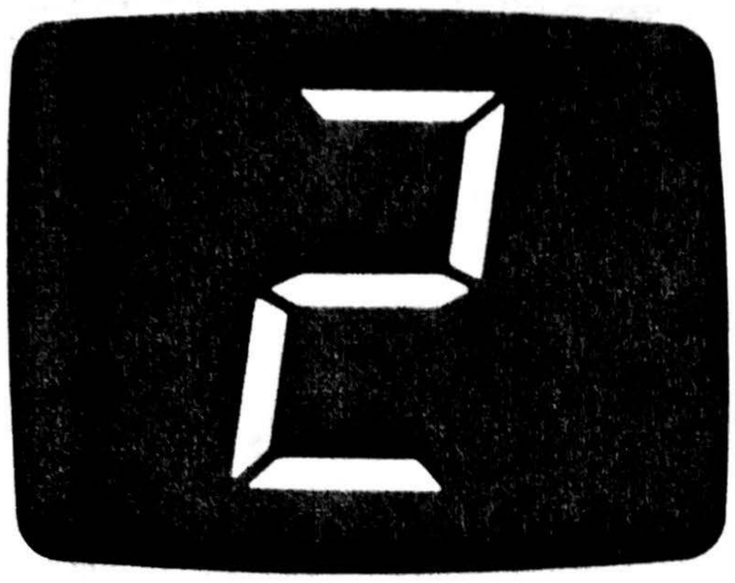
D Stop... **3**
Press this button to stop the tape transport.

E Wind... **4**
When this button is pressed the tape winds forward; to the end, or until another tape transport button is pressed.

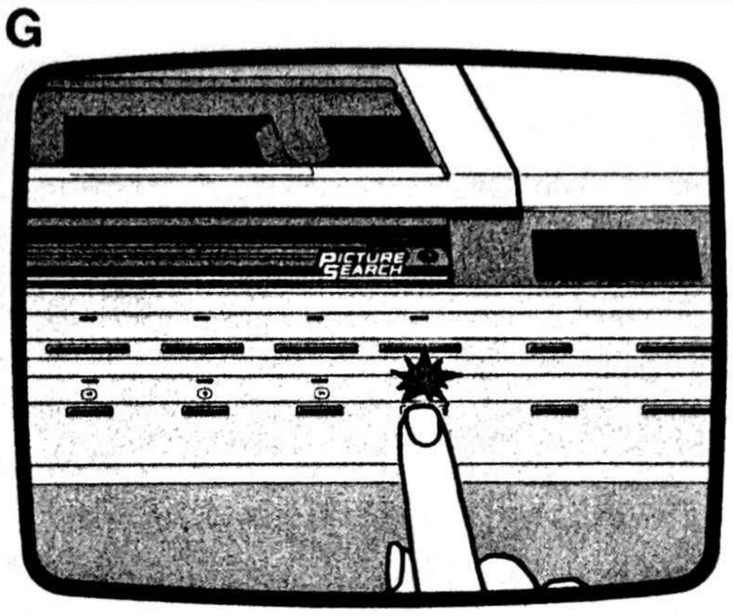
F Play... **5**
When pressed, the VCR will play-back.

continued overleaf

Operating continued



G



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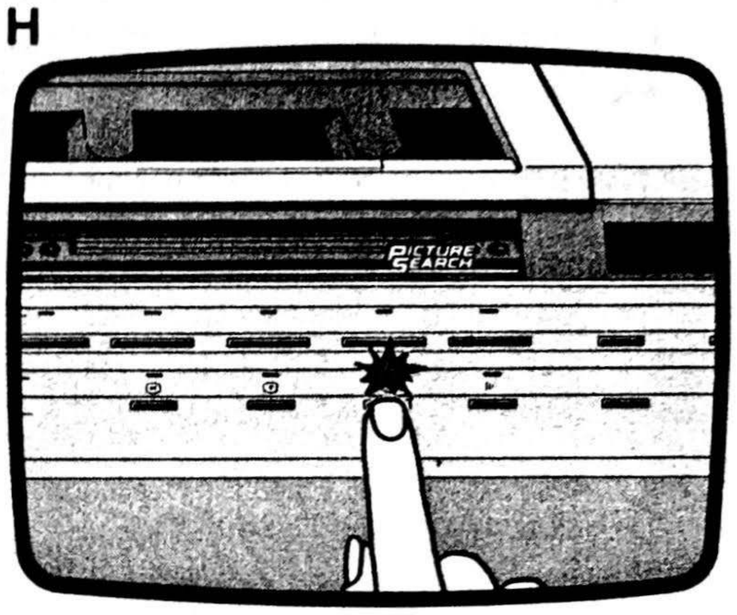


G Slow-Motion... **11**
When pressed, the recording on the tape is played back in slow-motion.

H Picture Search - forward... **12**
When pressed, a fast forward moving picture is shown on your TV.

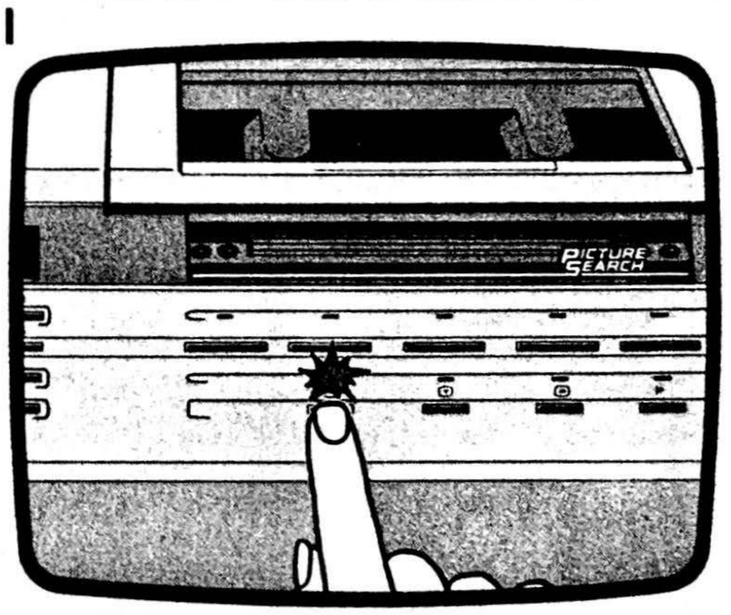
I Picture Search - reverse... **14**
When pressed, a fast backward moving picture is shown on your TV.

Note: After 3 to 4 minutes in the Picture Search condition the VCR switches automatically into Play.

J Freeze-Frame... **13**
When pressed, a still picture appears on your TV.

Note: After 3 to 4 minutes in Freeze-Frame the VCR switches off.

I



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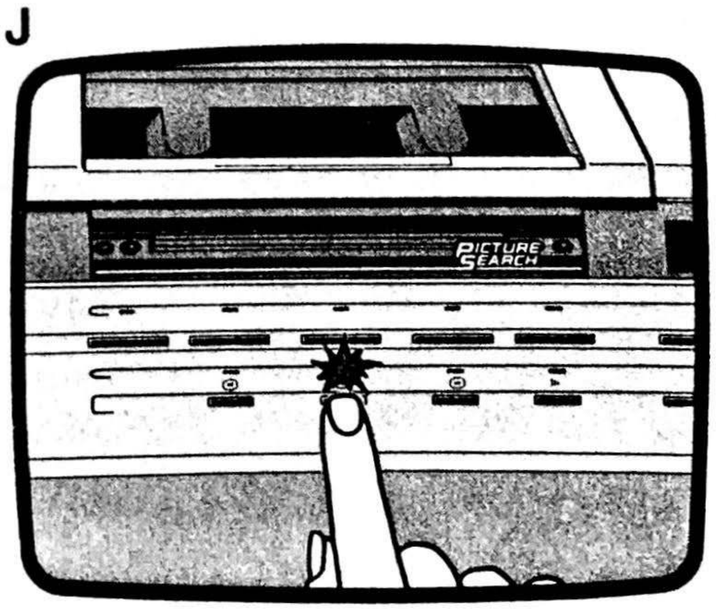

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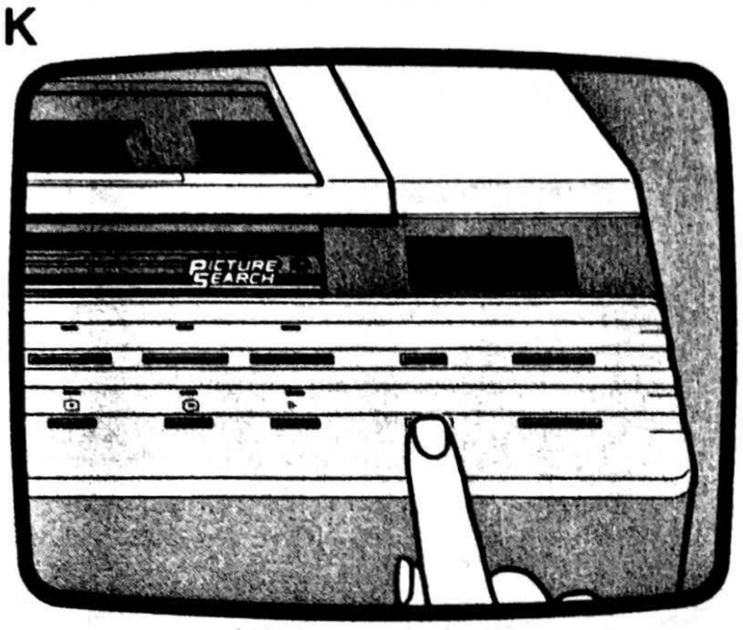
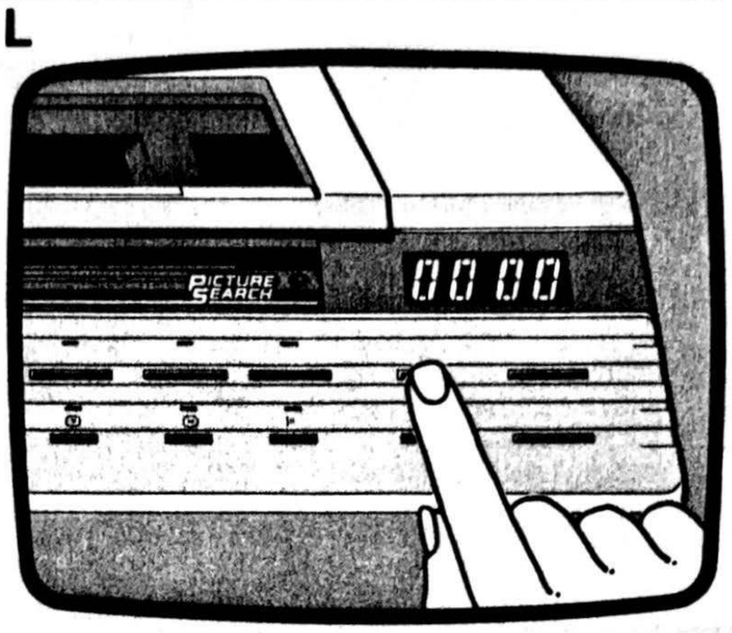


K Go To... **10**
The Go To button may be used instead of Wind or Rewind to find any desired tape position on a cassette. Press Go To button **10** and then enter the tape reading on the Keyboard. Always enter four digits: 0573 for example.

The Clock display will show this number until the counter has reached 0573 (approximately).

Press any Tape transport button accordingly to continue using your VCR.

L



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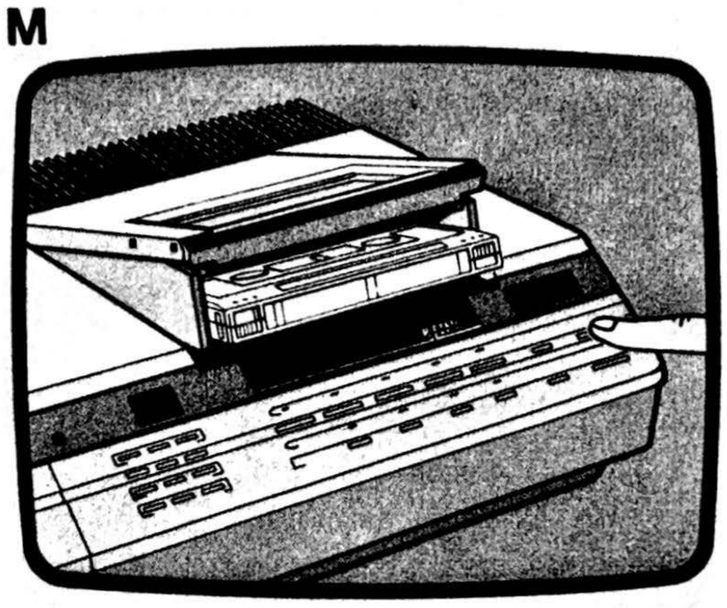


L Tape Counter Reset... **6**
The Tape Counter **7** gives an indication of the amount of tape played. It is reset to 0000 by pressing the Tape Counter Reset button **6**.

M Eject... **8**
When pressed the cassette holder opens.

Note: If the cassette holder is open while the VCR selector on your TV is pressed, the screen will show a black and white vertical stripe. The stripe disappears when the cassette holder is closed.

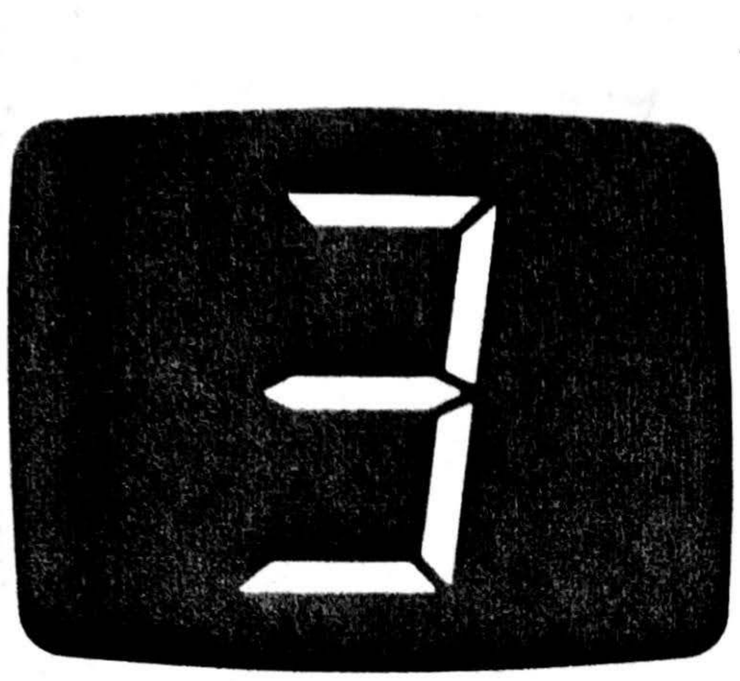
Cassette Information

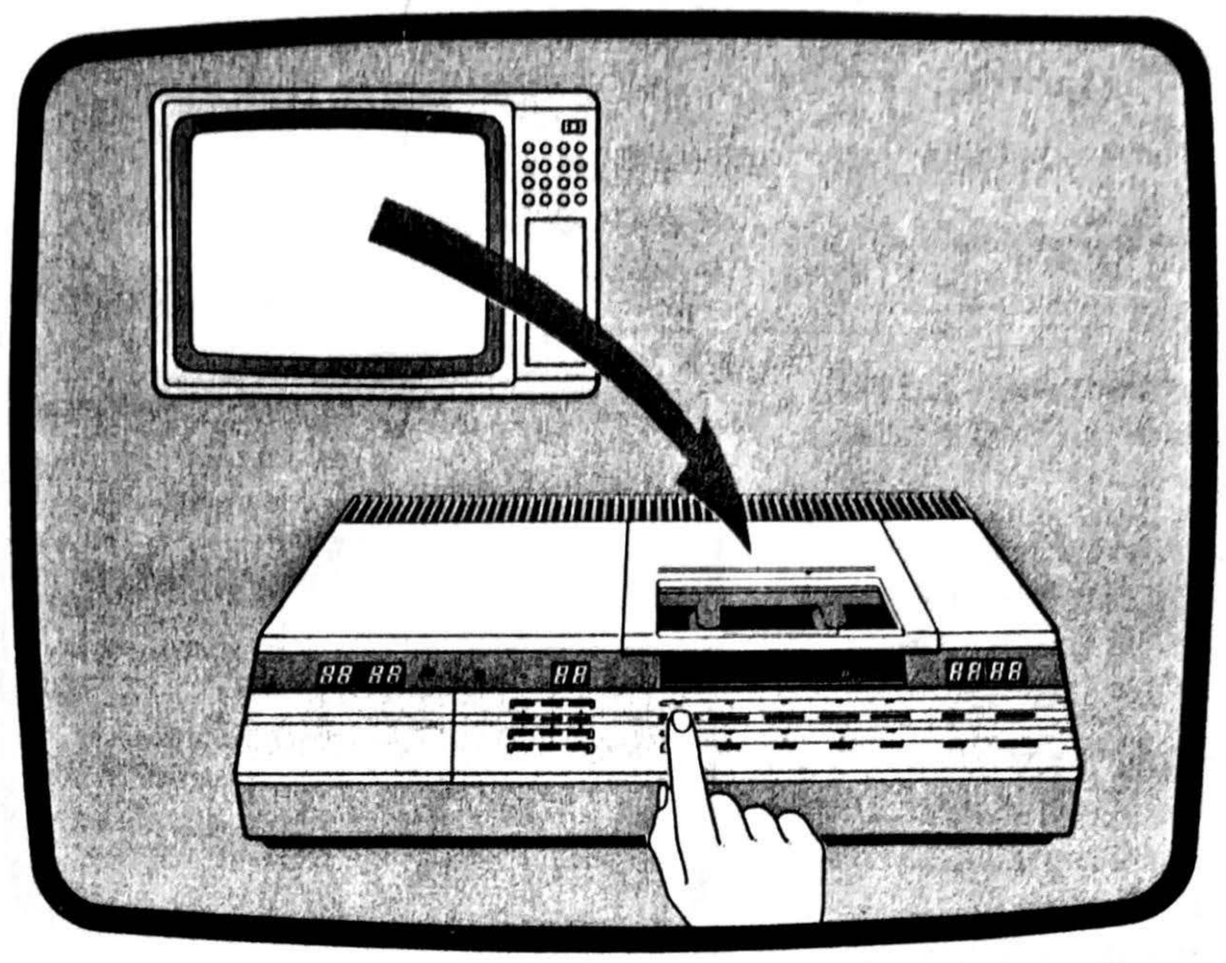
Using cassettes
Always note down the start and finish Tape Counter display readings when you record a cassette. You can use the inside of the folder/cover for this.

If you record over a previously recorded part of the tape, the previous recording is automatically erased.

Storing cassettes
Always rewind the cassette and return it to its case immediately after use. Keep the cassettes in their cases at room temperature away from bright sunlight, loudspeakers and transformers.

Recording





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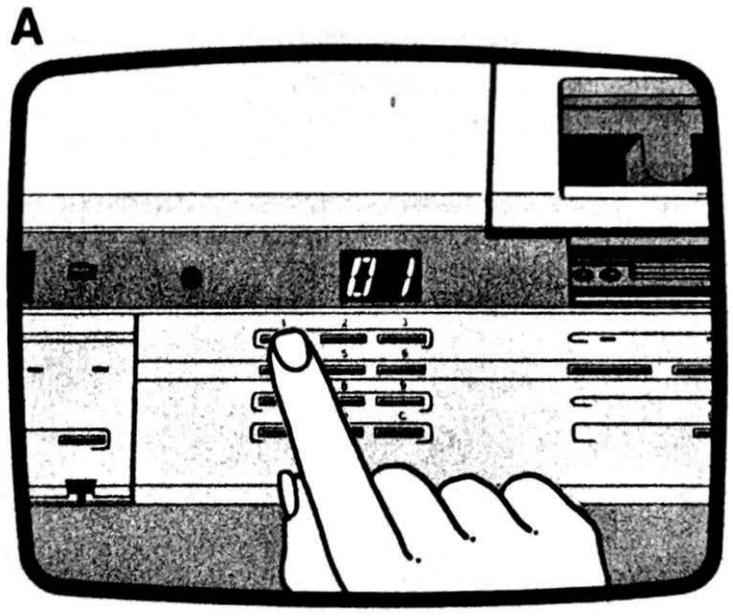

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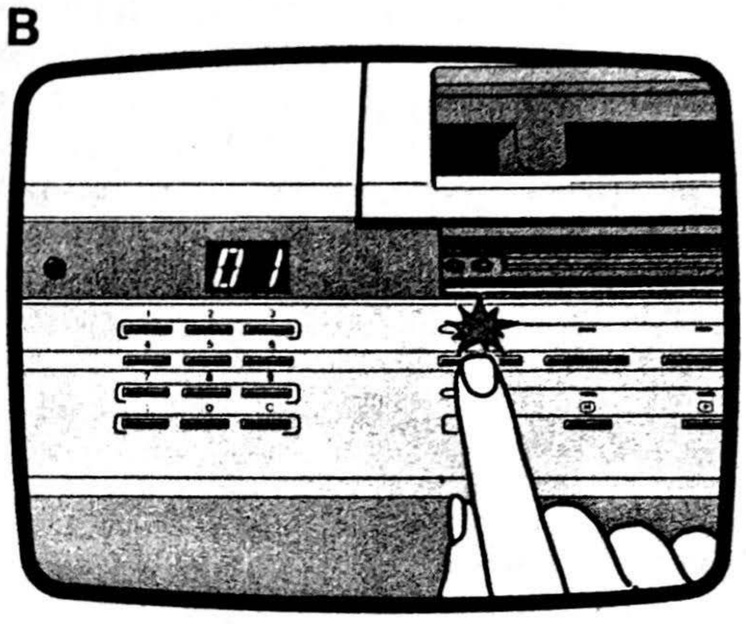


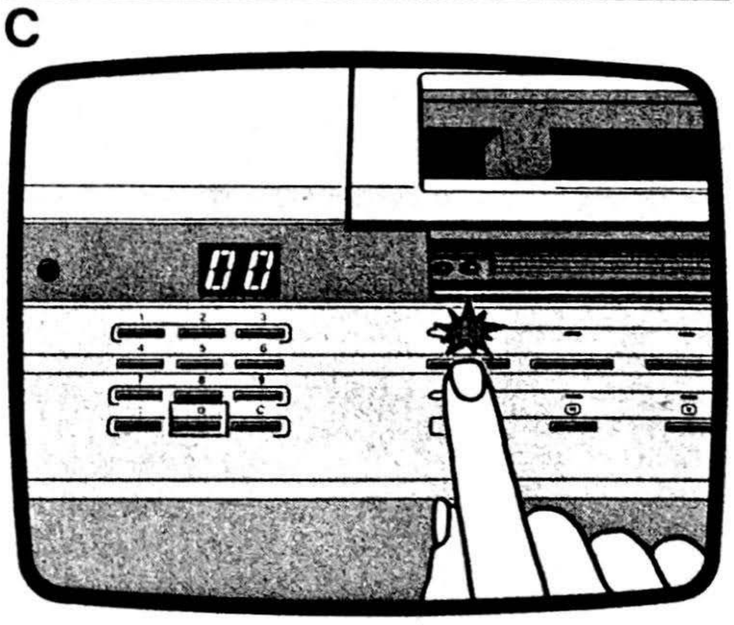
Attended recording - *mode 1, when VCR and TV connection is made by antenna cable*

Load a cassette and rewind or wind as necessary. When the TV programme starts, switch on the VCR.

A Use the keyboard **15** to enter the pre-selector (or channel) number of the programme to be recorded. The number you entered will now be shown on the Channel display **30**.

B Press the Record button **1**. You are now recording. You do not have to have your TV set on. However, if it is on, you can change to another channel without interfering with the programme being recorded. When the programme being recorded is finished, press the Stop button **3**.

C



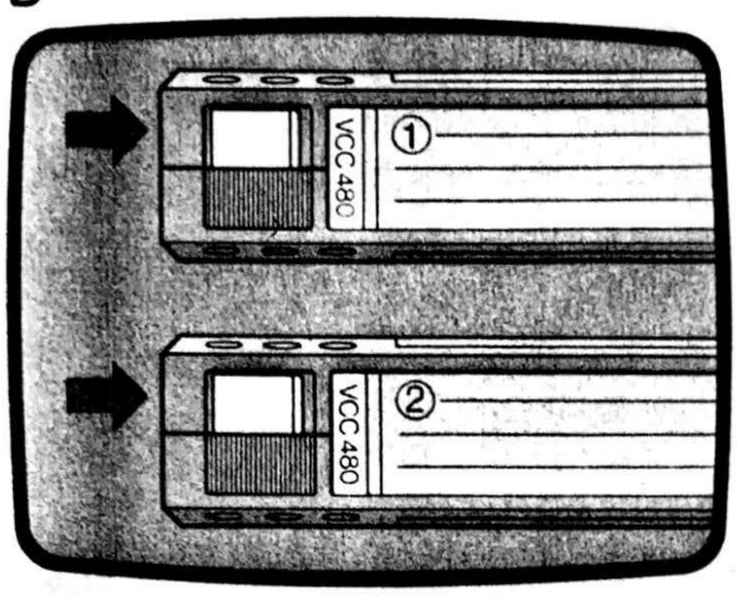
Attended recording - *mode 2, via AV cable*

If your TV has an AV socket, you can make an attended recording in the following way, if the AV cable is connected between the VCR and your TV.

C With the TV switched on and tuned to a TV channel, and the VCR switched on and loaded with a cassette; select 00 on keyboard **15**. Press Record button **1**. Your VCR records the programme now received by your TV. If you change TV stations on your TV, the recording changes too.

English

D



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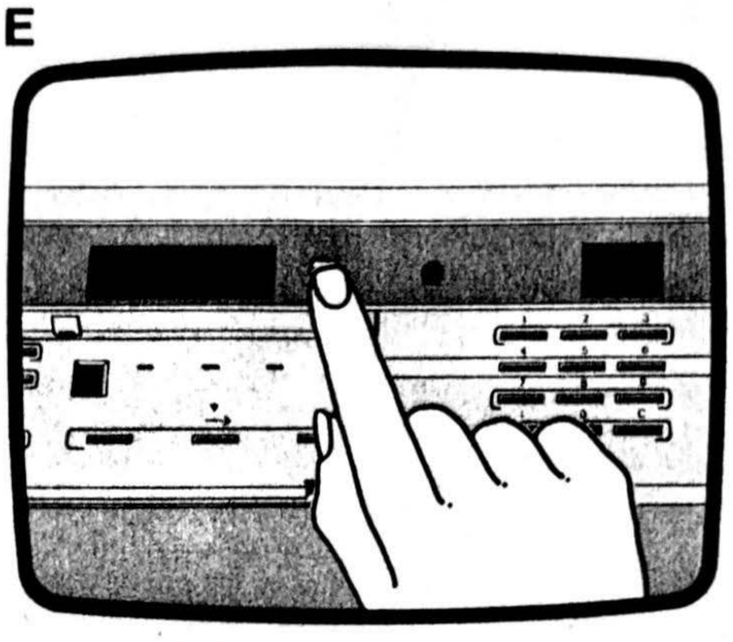

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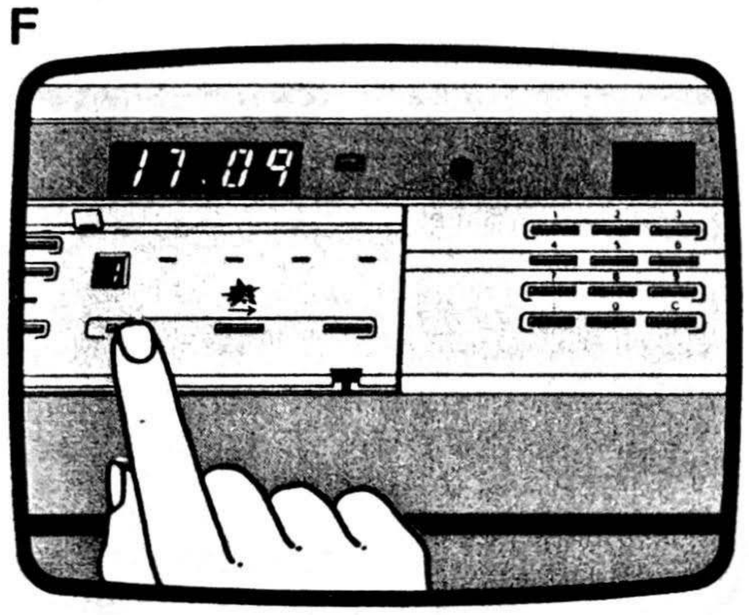

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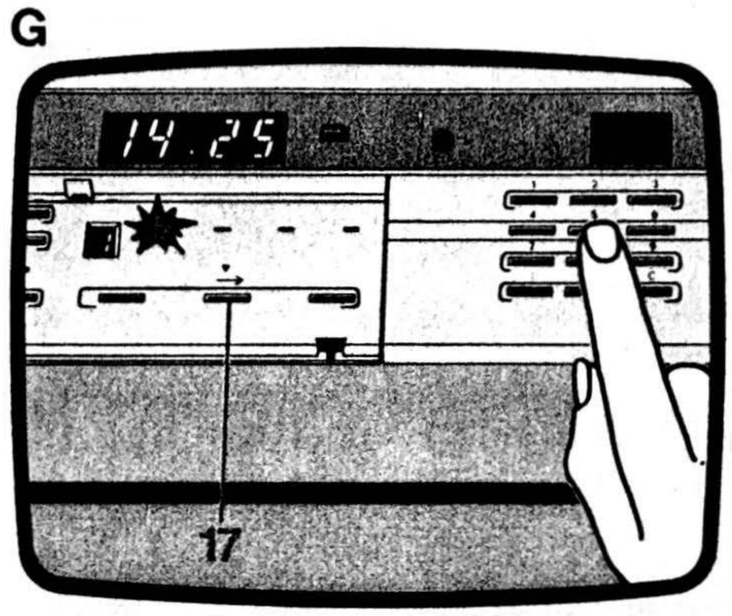


Protecting recorded cassettes

D You can protect the recording on side 1 of a cassette by turning the left-hand switch fully to the right as shown. The red part of the switch will then be visible showing that the recording on the tape cannot accidentally be over recorded. To protect side 2, turn the cassette over and again turn the left-hand switch fully to the right.
If you try to record over a protected recording the VCR cassette holder will automatically open. If you later wish to record over a protected recording, turn the relevant switch fully to the left. The black part of the switch will then be visible.

Unattended recording

You may pre-programme the VCR to switch itself on at a particular time, record a programme and then switch itself to Standby; your TV set need not even be switched on or tuned to the channel you wish to record (however the antenna must be plugged into your VCR). Details of one programme are stored in a 'block' and you can store up to 5 programmes, up to 15 days in advance.

Checking the clock

Before programming, check that the clock on the VCR is showing the correct time. The time is shown in 24 hour form: nine minutes past five in the afternoon being 17.09. If adjustment is required, proceed as follows.

E Press the Clock Set button **28**. The Clock display **25** will become blank.

Enter the correct time on the Keyboard **15**. Always enter a **Decimal Point** between the hours and minutes. For example, press buttons 17:09.

Note: If there was a failure of the mains power supply, the Clock display **25** will blink.

Open the flap which covers the unattended recording controls, as shown on the inside of the folder/cover.

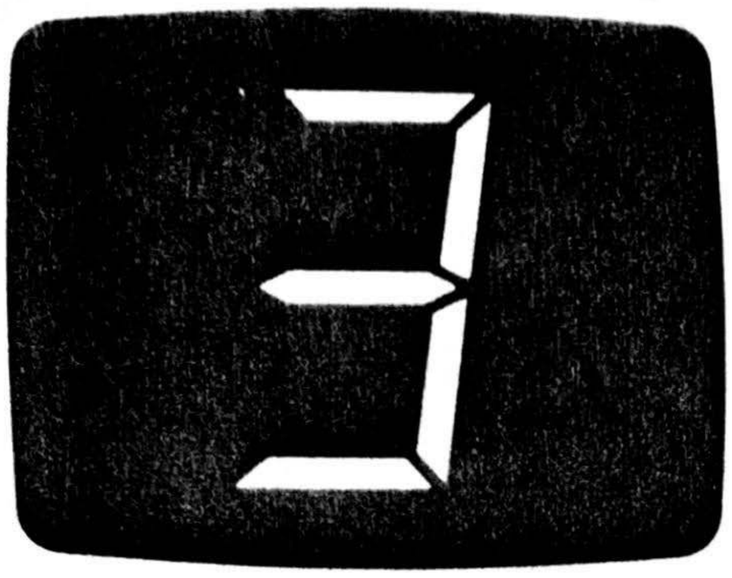
F Press the Call button **18**. The number of the first free block (1 to 5) will appear on the Pre-programme 'Block' display **20** and the triangle above the 'Next' button **17** will light up.

G Press the 'Next' button **17**, the Start indicator **23** will light up; enter the start-time of the programme, e.g. 14.25, remember the decimal point. This is shown on the Clock display **25**. If you make a mistake the display will go blank, and you can simply enter the correct number.

Note: for 12 midnight enter 00.00

continued overleaf

Recording continued

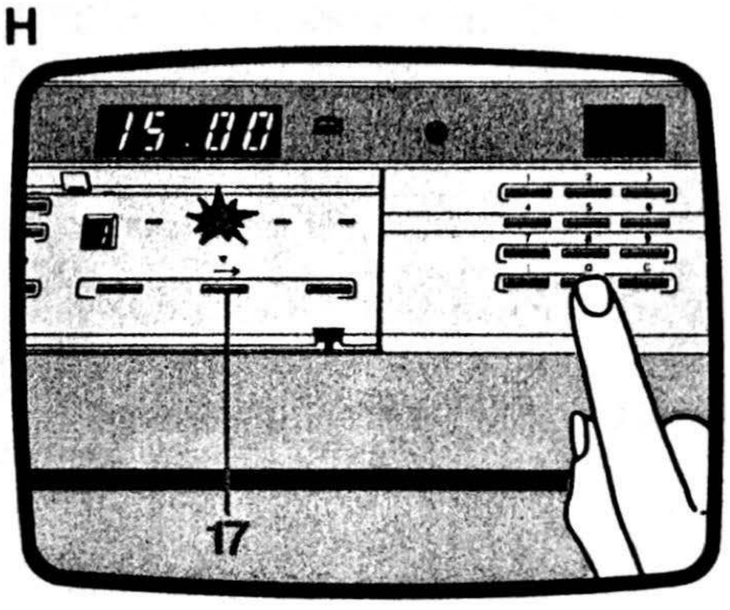


H Press the 'Next' button **17**, the Stop indicator **24** will light up; enter the finish-time of the programme (e.g. 15.00).

I Press the 'Next' button **17**, the Day indicator **26** lights up; enter the day of the recording (same day = 00, next day = 01, up to 15th day = 15).

J Press the 'Next' button **17**, the Channel indicator **27** will light up; enter the pre-selector or channel number of the programme (always use 2 digits, e.g. 01).
If the pre-selector number has not been stored this command will not be accepted, and the display will become blank.

H



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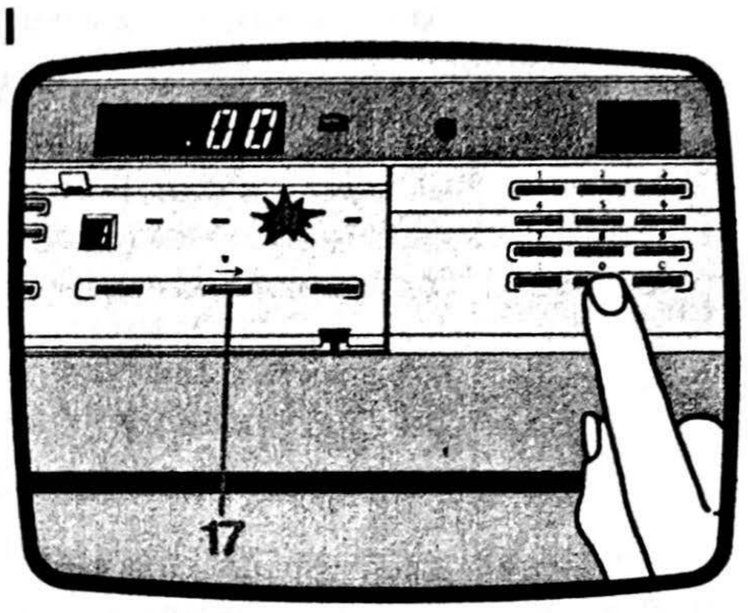
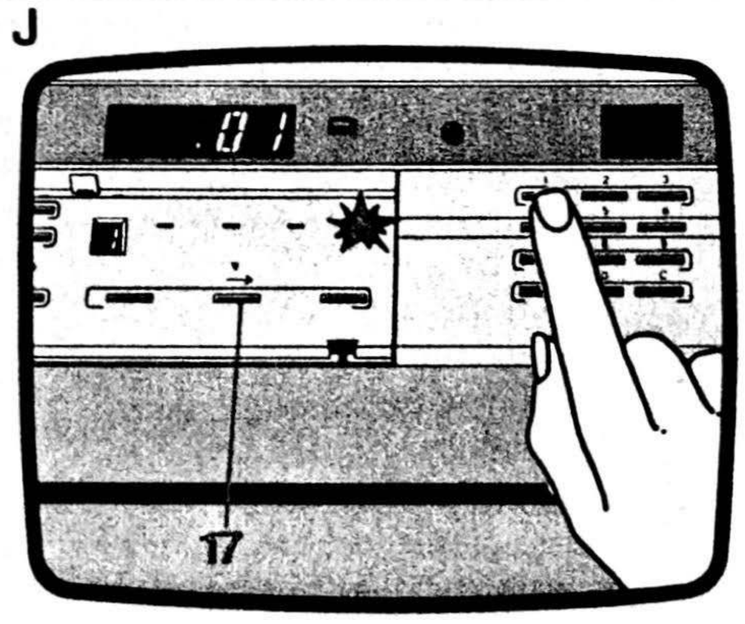
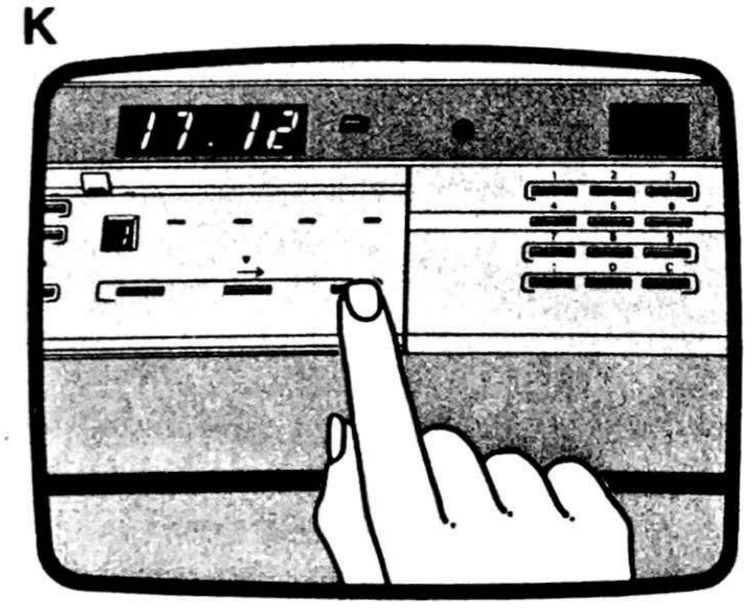


K Press the End button **16**. The details are now stored and the Clock display **25** again shows the time.

J



K



English

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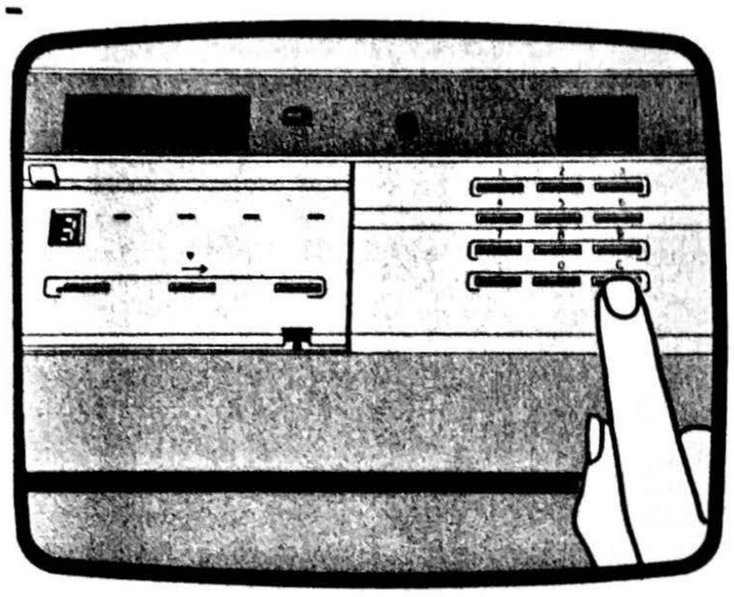


Checking or changing 'Block' information

To check or change 'Block 1' for example:

- Press the Call button **18** and the '1' on the Keyboard **15**.

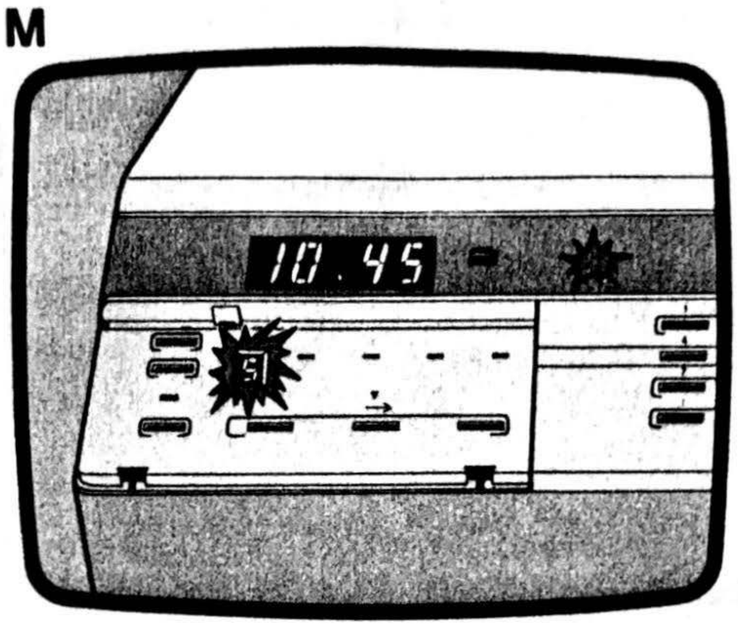
Note: To check or change 'Block 2' press '2' on the Keyboard etc.

- Now press the 'Next' button **17** to see the start time, shown on the Clock display **25**.
- Press the 'Next' button **17** again for the finish time.
- Press the 'Next' button **17** again for the day.
- Press the 'Next' button **17** again for the channel.

If you wish to make a change, press 'C' on the keyboard **15** and enter the new details.

- When you have finished the full sequence of five steps, press the End button **16**.

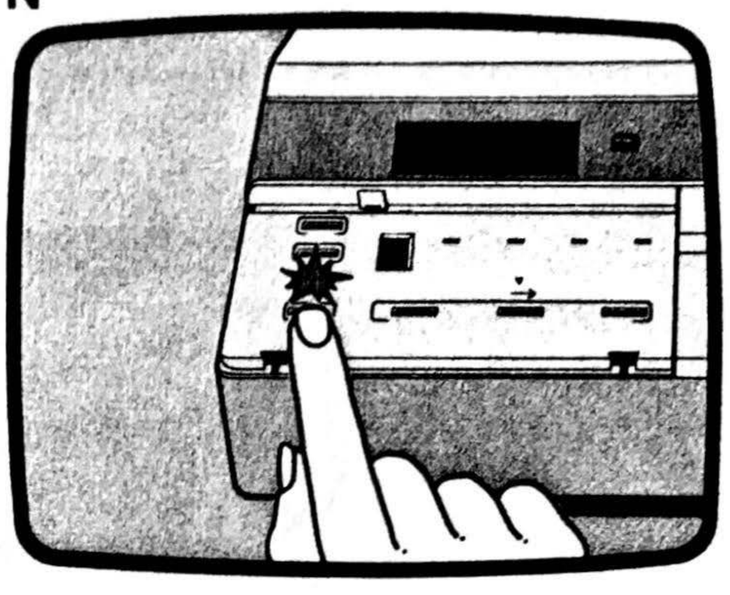
M



Attention Timer indicator... 29

M This indicator will light up if the recorder is being used manually the same day that a recording has been programmed into the VCR timer. If the VCR is actually being used manually at a time when the machine has been pre-programmed to make a recording, the Pre-programme 'Block' display **20** flashes.

N



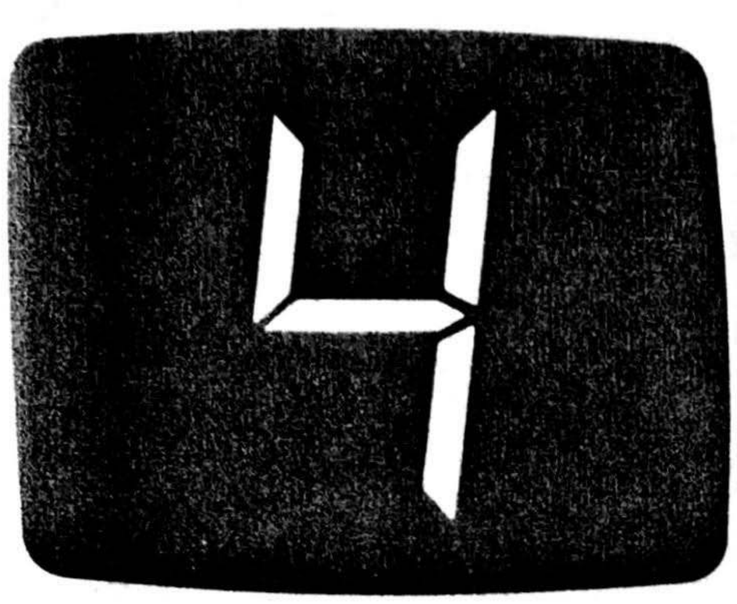
Automatic rewind... 19

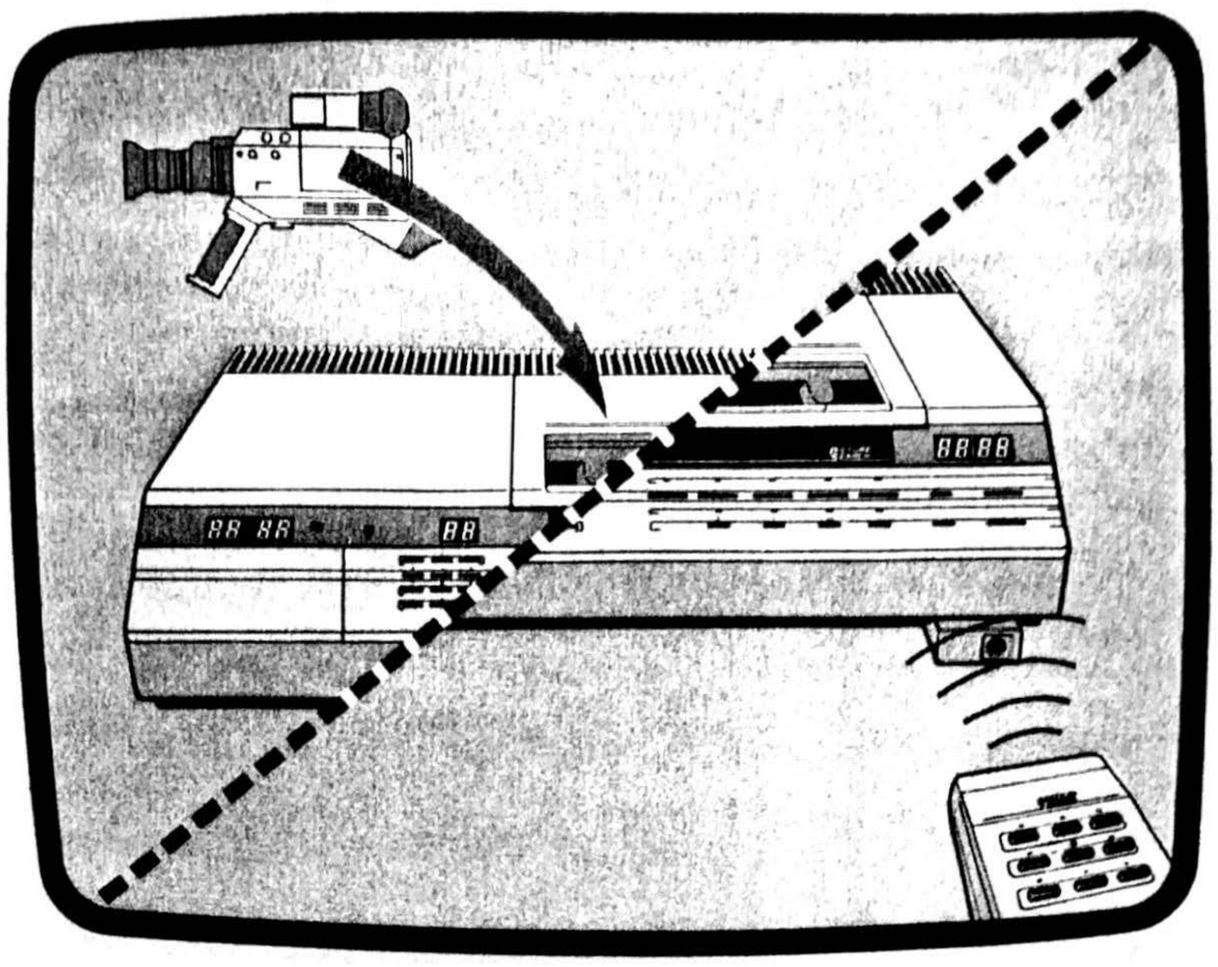
N If you press the Automatic Rewind button **19**, its indicator will light and the tape will automatically rewind when the last pre-programmed recording has finished. However, if the end of the tape is reached before the recording has finished, the cassette holder will open instead.

Overlapping programmes

Make sure that you have not stored two programmes to be recorded at the same time on the same day. If this happens, delete one of the programmes; to delete one of the programmes, 'Block 3' for example, press the Call button **18** and the '3' on the Keyboard **15**. Now press 'C' on the Keyboard and then the End button **16**.

Using accessories





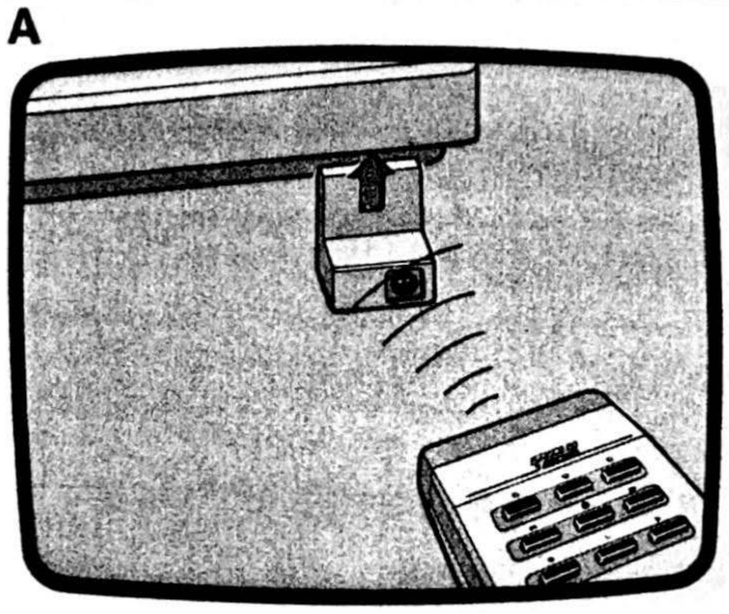
Remote control

A A remote control unit is available for your VCR. Once you have installed the receiver eye which is supplied with the VCR, and loaded a cassette, you can control all the VCR functions from the remote control unit. Your VCR is switched on directly (from the standby condition) when any tape transport button or channel entry is made via the remote control unit.

B The remote control unit symbols are described below.

- ⏩ Picture Search - forward
- ⏪ Picture Search - reverse
- ▼ Freeze-Frame
- ⏸ Slow-Motion
- ◀◀ Rewind
- ⏹ Stop
- ▶▶ Wind
- ● Record
- ▶ Playback
- ↔ Go To

A



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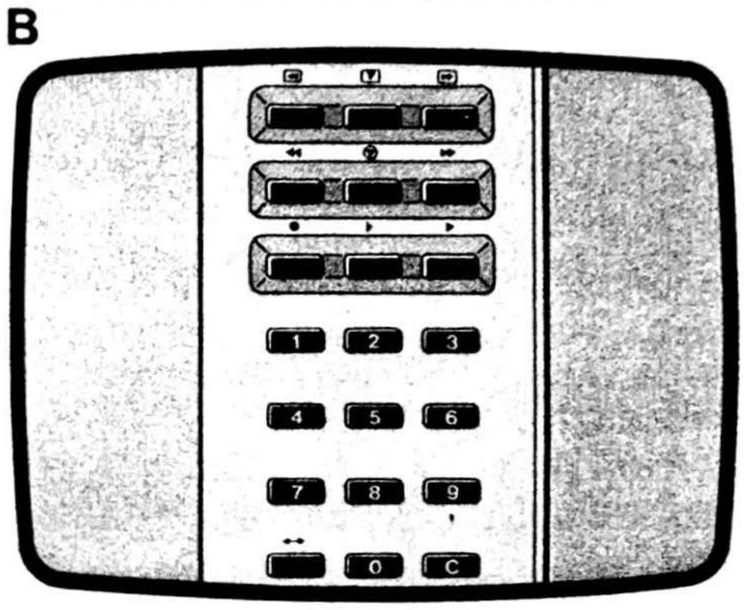
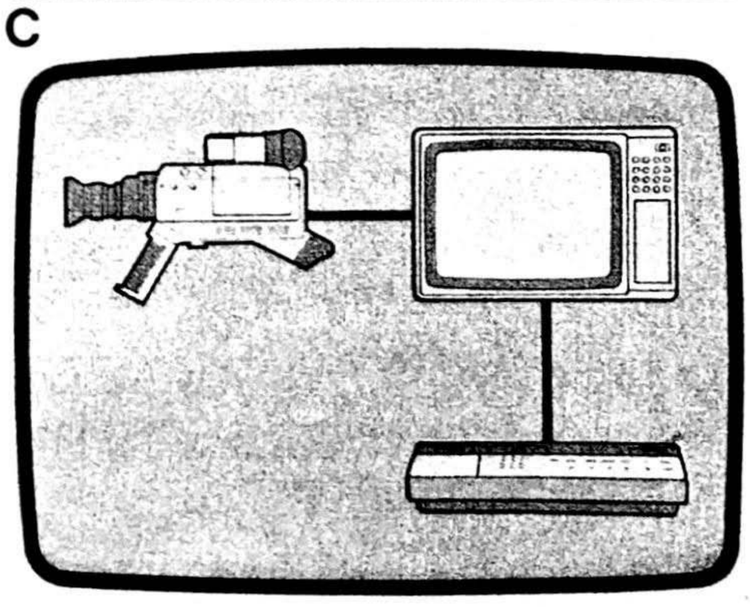


Recording with a camera

You can also record your own programmes using your own video camera.

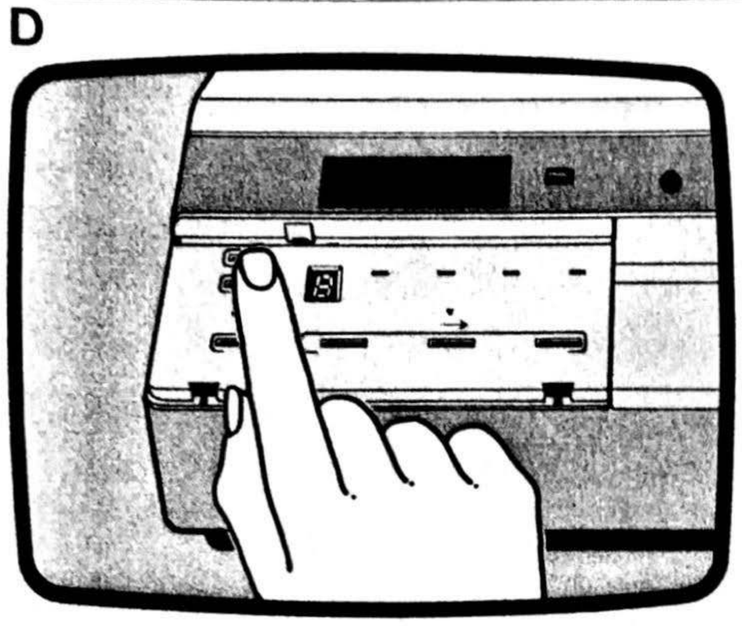
C Set up as shown in the camera Instructions for Use. Load the cassette to be recorded and switch on the VCR.

C



English

D



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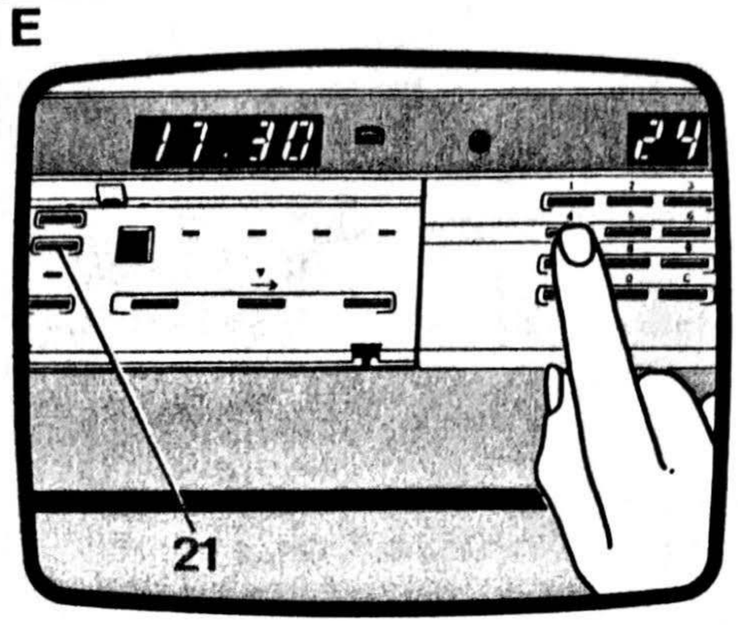

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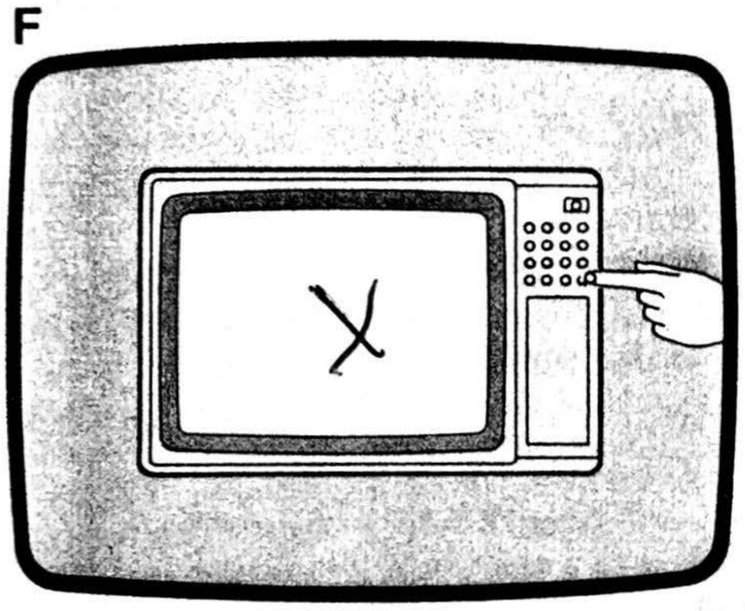

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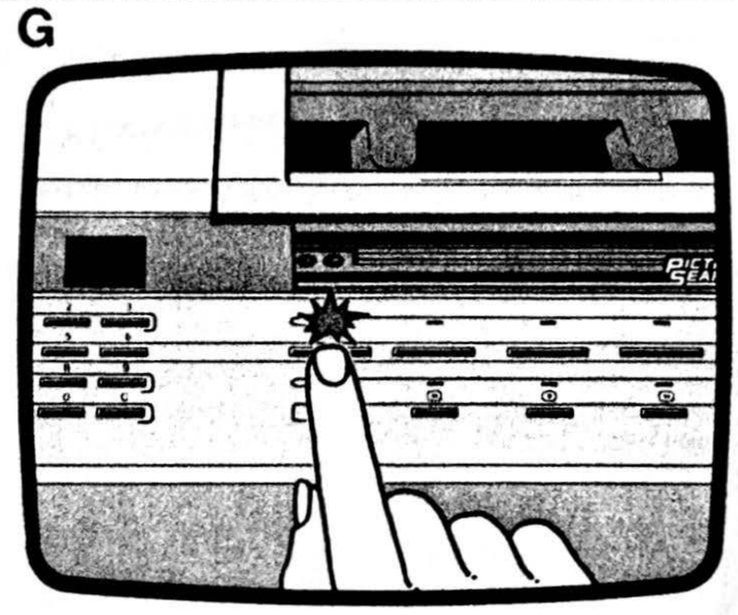


D Press the Channel Search button **22**.

E When the time of day is again shown on the Clock display **25** press the Channel Store button **21** and enter two figures (which have not previously been reserved) on the Keyboard **15**, do not enter 00.

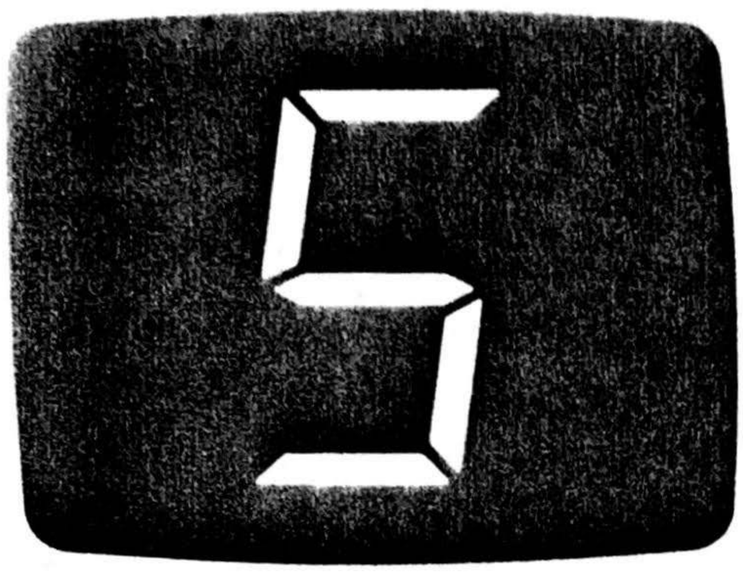
F Switch on the TV set, and press the TV pre-selector reserved for your VCR.

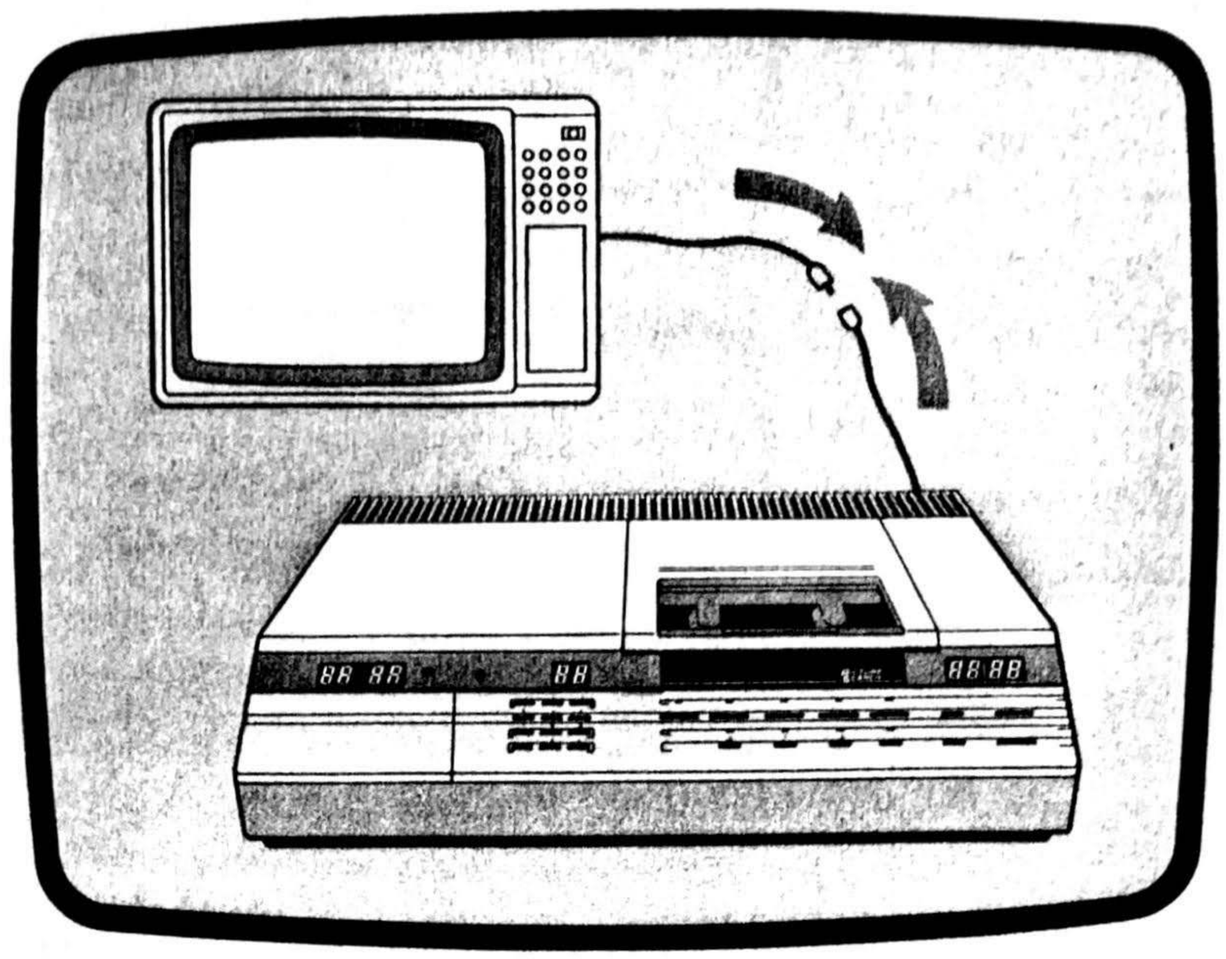
G Press the Record button **1**. You are now recording from the camera.

Remote control using a camera

This is only possible with some camera models. Connect your camera to the AV socket of the VCR using an AV cable. Switch the VCR on and load a cassette. Enter 00 on the keyboard **15** (this selects the AV socket). You can now use the camera to record or stop the tape in the VCR. See the camera instructions for use.

Setting up





Follow the steps to set up your VCR. If you make a mistake on one of the steps, or something happens which you do not understand, start again from the beginning of the part you are on. If this does not help, refer to the Correction list in Section 6.

Note 1: Unless you have a colour TV set which carries the VCR logo, the TV set may need modifying for use with the VCR; please see your dealer if this modification is needed. The permission of the rental company must be obtained before modifying rented TV sets.

Note 2: When the VCR is installed you can still use your TV set as before.

Note 3: If you have to fit a new mains plug to the VCR see **IMPORTANT 4** Section 6. Technical Data.

Installation

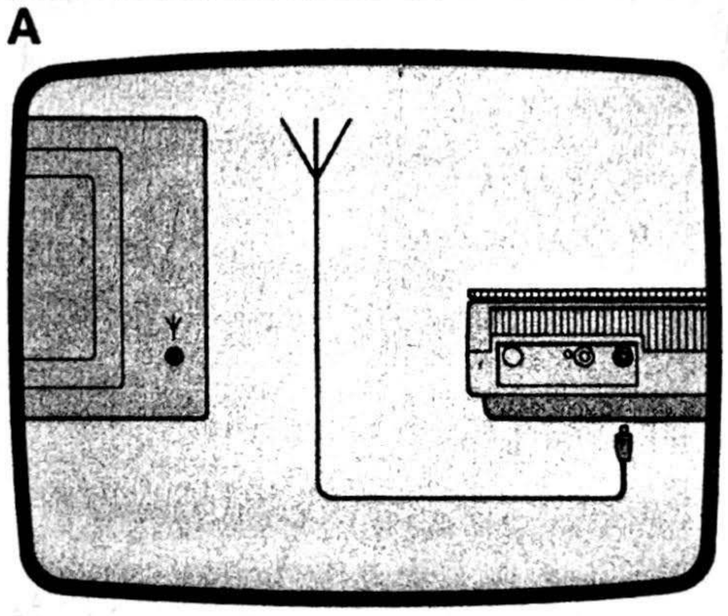
Do not place your VCR directly on top of or underneath your TV set. Ensure that there is a vertical distance of at least 20 cm between the VCR and the TV set. Ensure that air can always circulate freely through the ventilation openings in the base and top of the VCR.

A Remove the antenna from your TV, and plug it into the **ANTENNA IN** socket at the back of your VCR.

B Take the antenna lead and connect it from the **ANTENNA OUT** socket of the VCR to the antenna socket of your TV set.

C Take the mains lead provided and connect it from the VCR mains socket to the mains supply.

A



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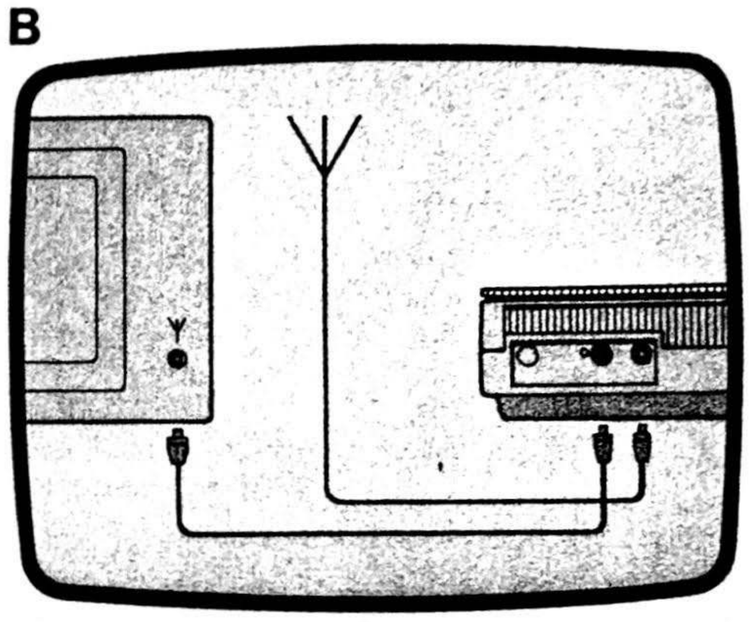

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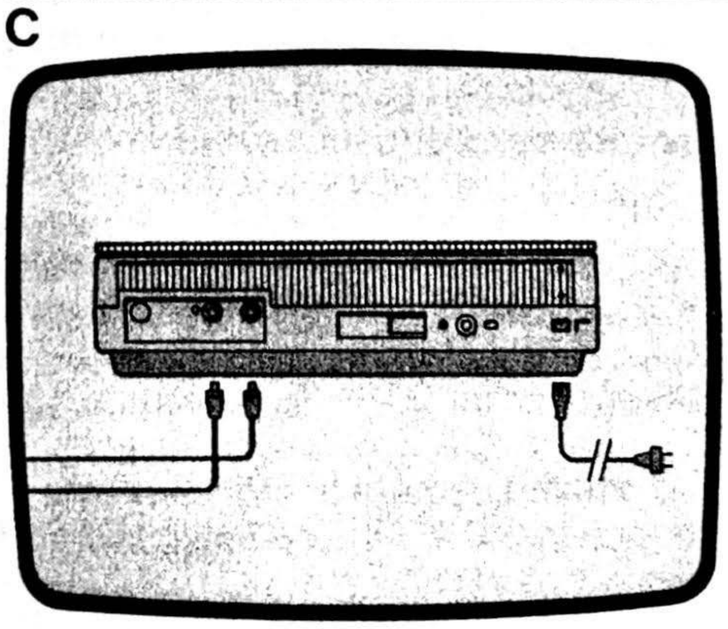

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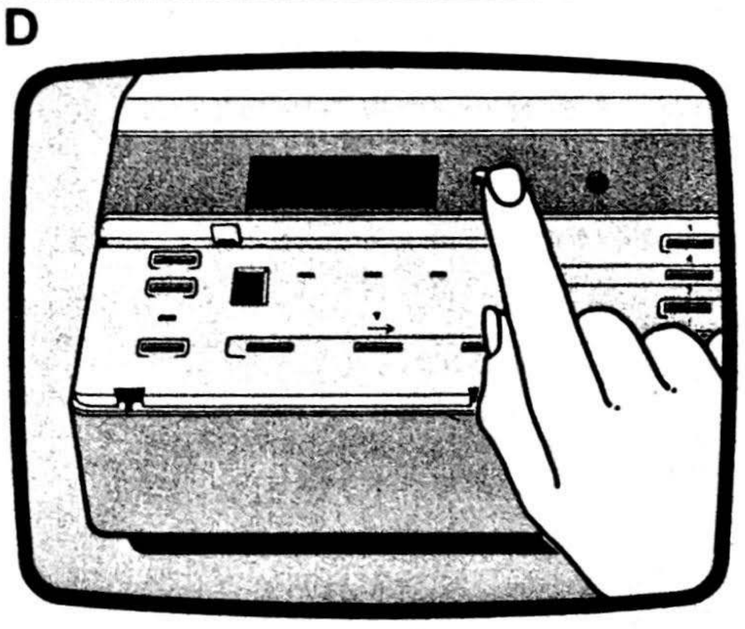


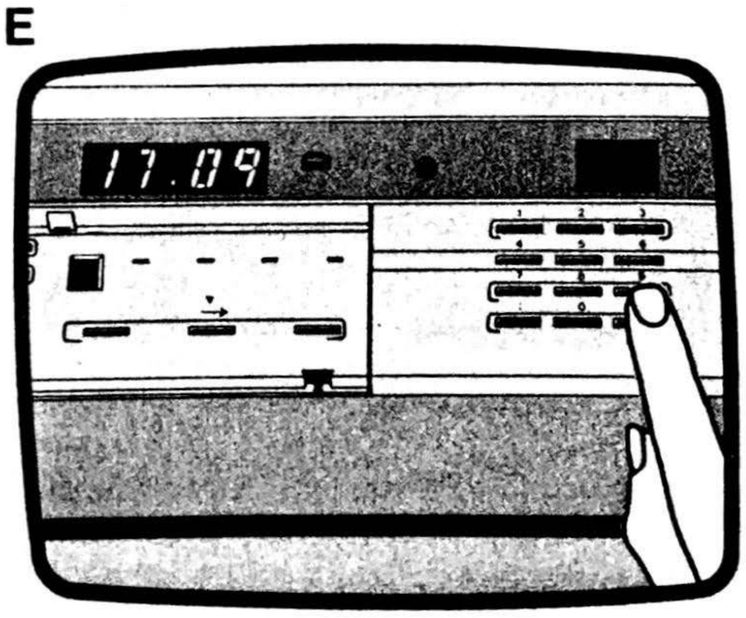
The clock display 25 will now flash.

Set the correct time

D Press the Clock Set button **28**. The Clock display **25** will become blank.

E Enter the correct time on the Keyboard **15**. Always enter a **DEMICAL POINT** between the hours and minutes. If the time is nine minutes past five in the afternoon, for example, press buttons 17:09.

E



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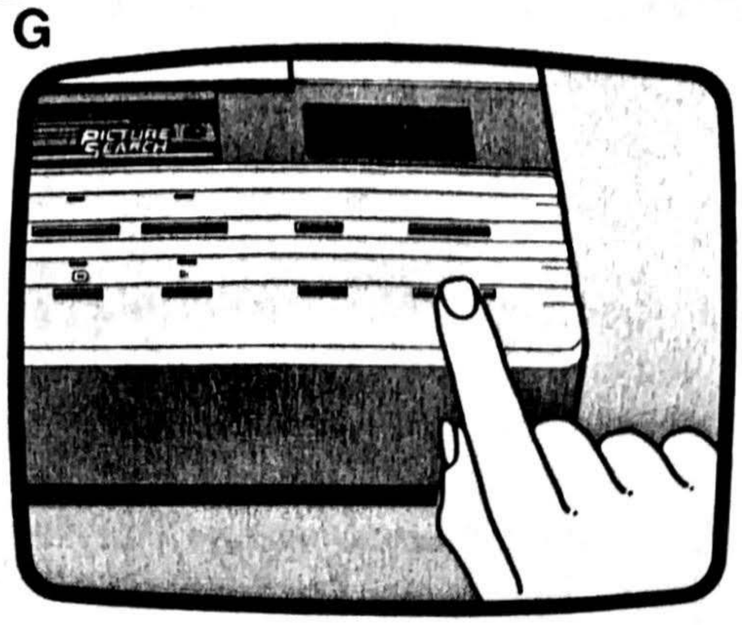

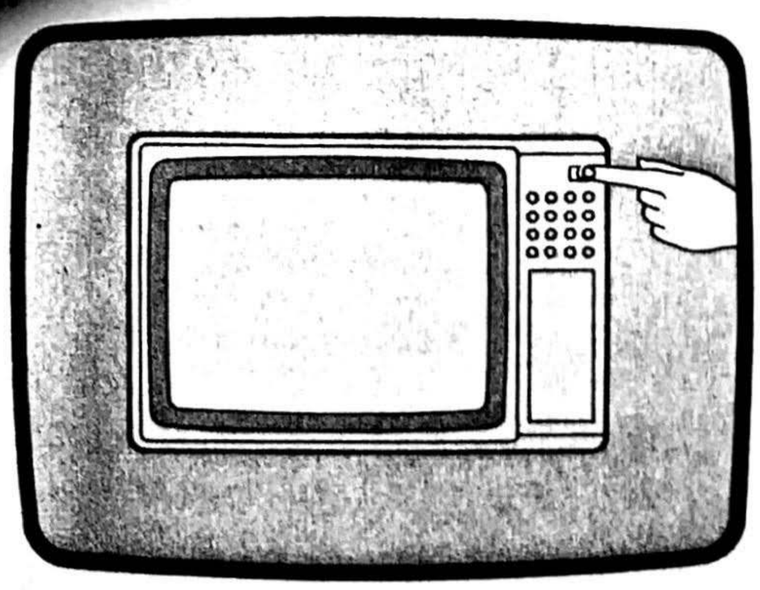

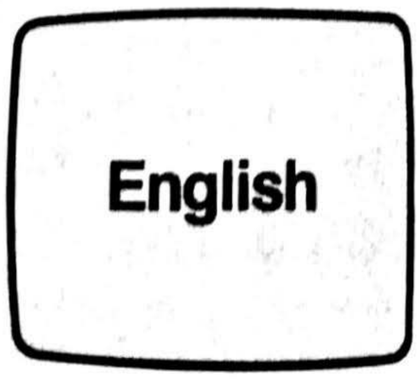

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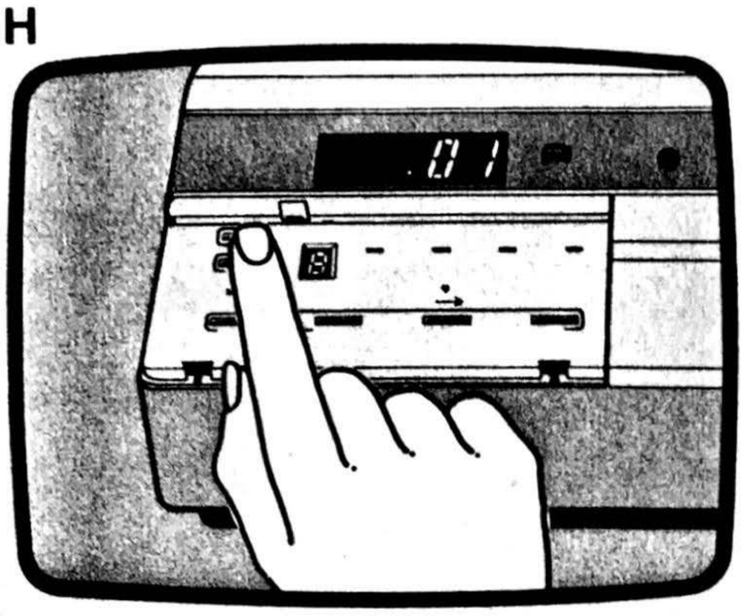

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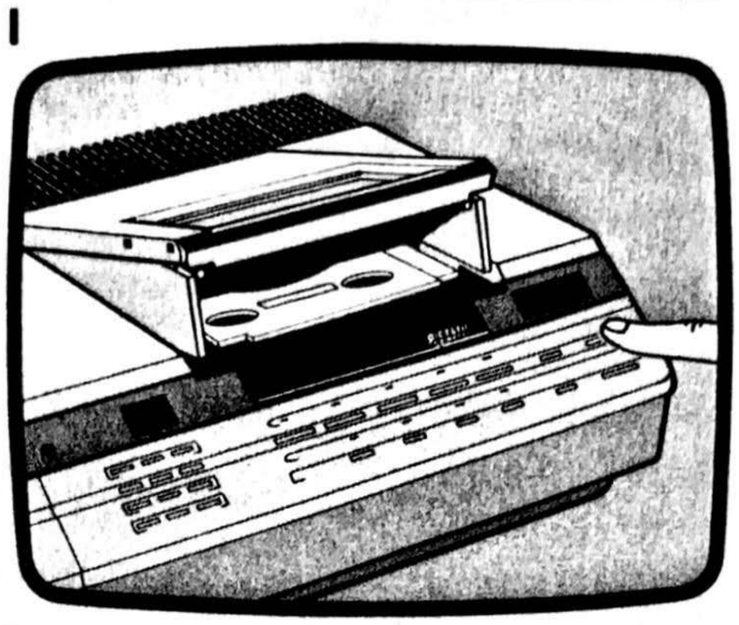

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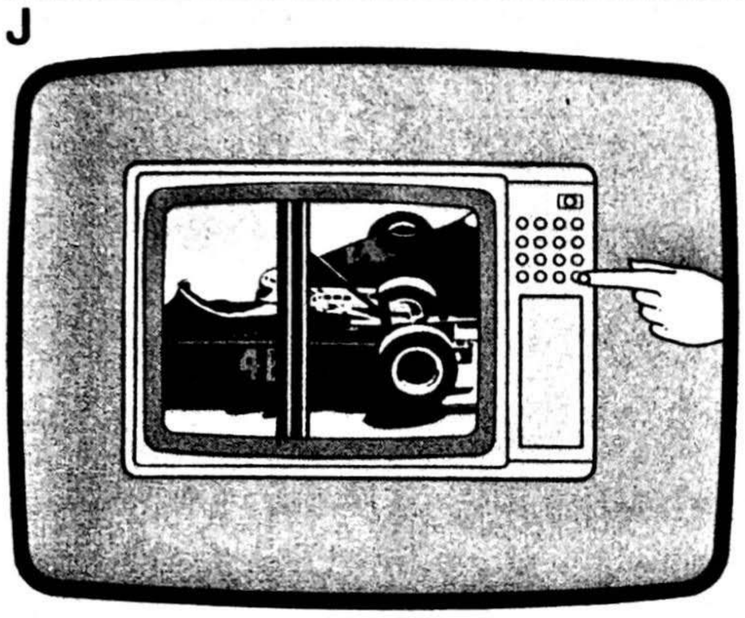

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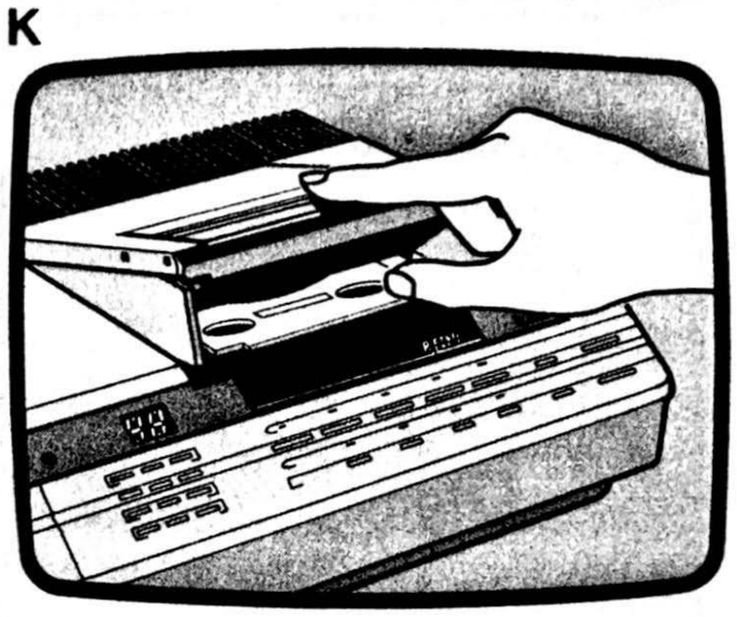


Tuning TV set to VCR

F Switch on your TV set.

G Now press the On/Standby button **9** on your VCR. If you do not press any of the Tape transport buttons: Record **1**, Rewind **2**, Stop **3**, Wind **4**, Play **5** in 3 to 4 minutes, the VCR will automatically switch to Standby. If this happens, press the On/Standby button **9** again.

H Press the Channel Search button **22**. The VCR will search across the wavebands for a television station. The Clock display **25** is replaced by the number of the waveband being searched. (See Tuner in the Technical data, Section 6, for waveband allocation). No further commands can be entered during search.

I When the time reappears on the Clock display **25**, press the Eject button **8**. The cassette holder will open.

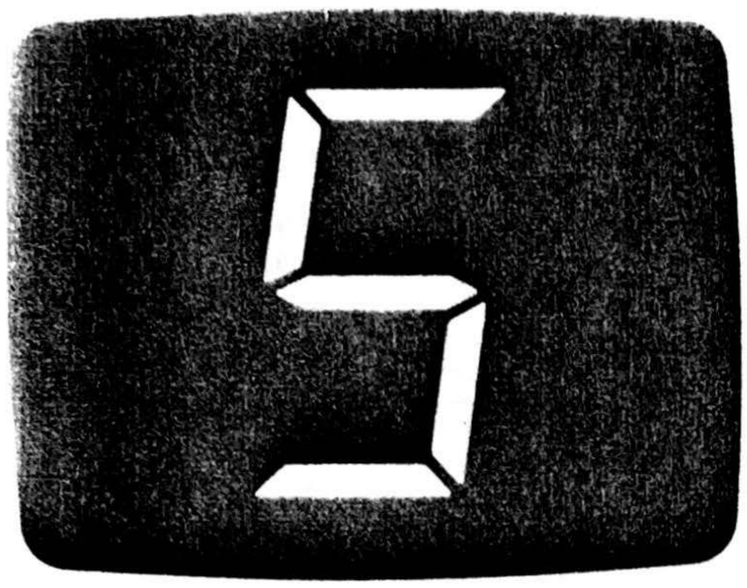
J Most modern TV sets have a number of pre-selector buttons; each of them is used to select a TV station. Reserve one of these pre-selectors for use with your VCR, by pressing it. See your TV instructions for use to determine which pre-selector to choose. Tune the -selector until your TV set shows a picture which has a black and white vertical stripe. This should be around Channel 37; UHF.

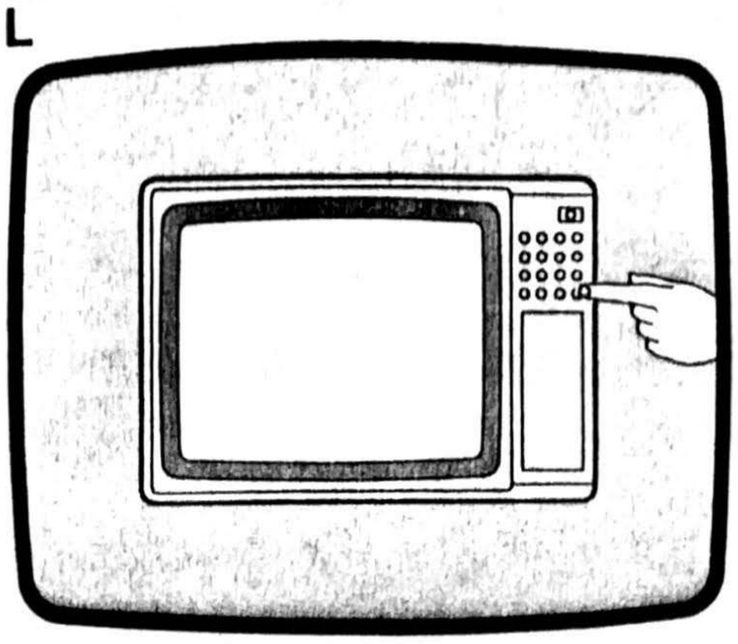
Note: In some areas there may be interference from a TV station around Channel 37. This will cause picture or sound disturbance. If this happens please contact your dealer. There may be two tuning positions which show the black and white vertical stripe. Choose the position that gives the better picture.

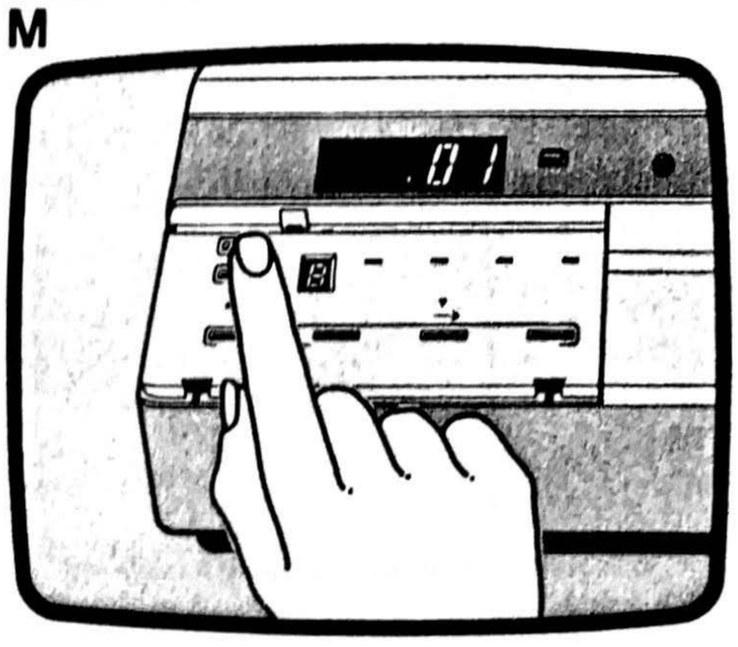
K Close the cassette holder; the stripe will disappear.

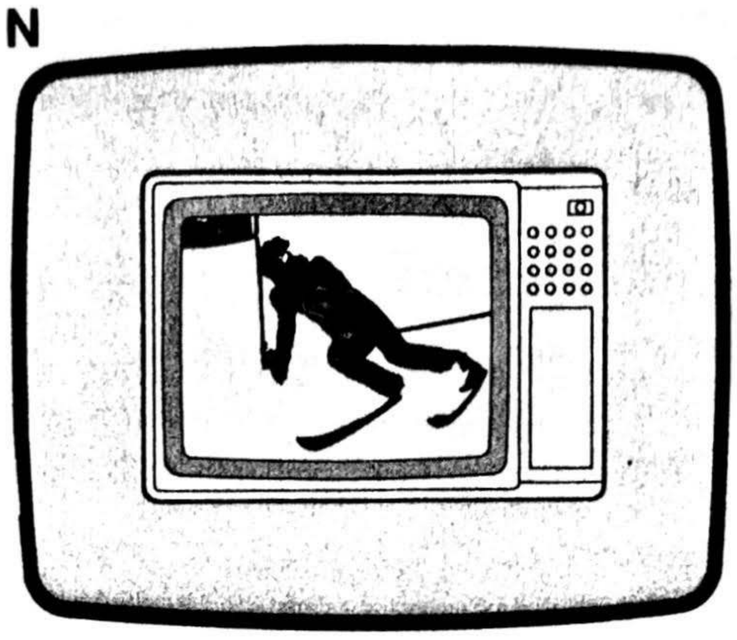
continued overleaf

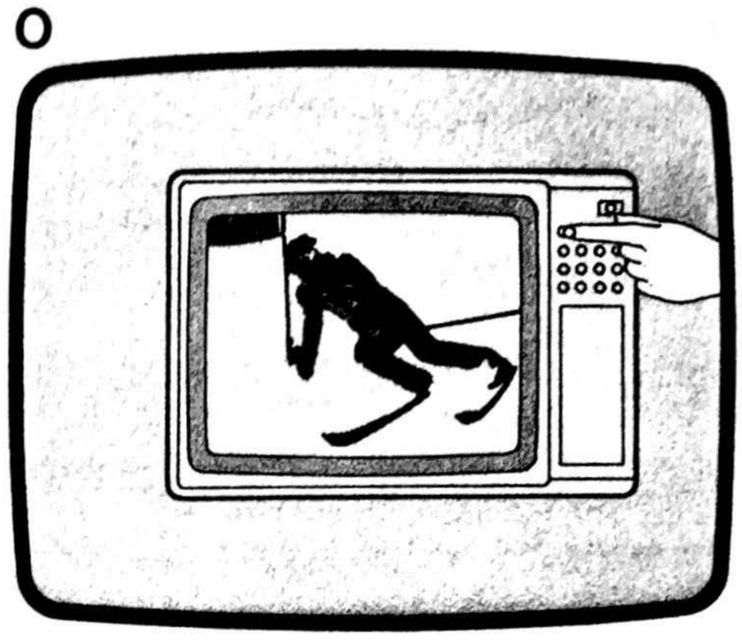
Setting up continued

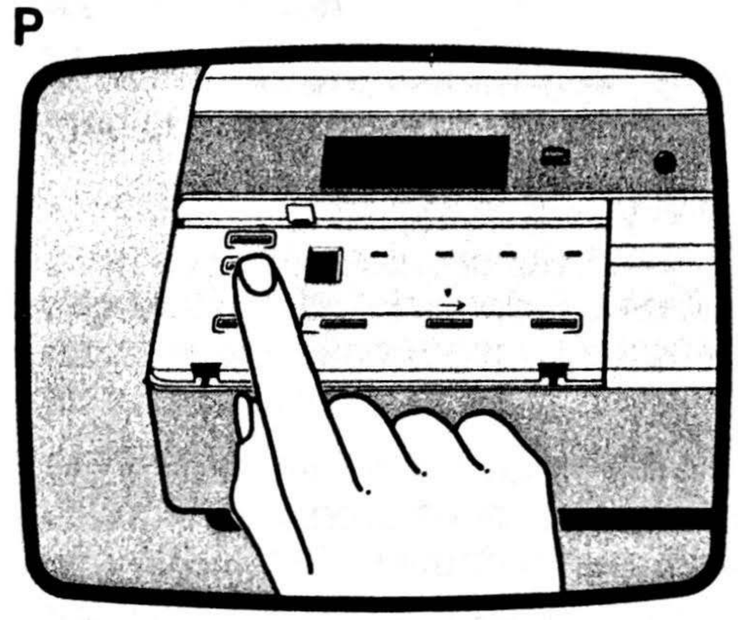


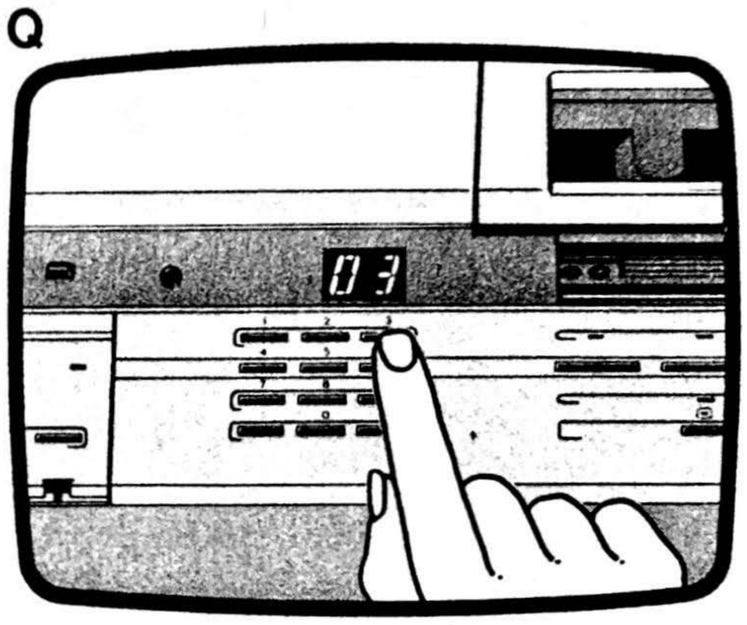












Storing the TV pre-selector numbers

L Make sure that the VCR is switched on and press the TV pre-selector button which you have reserved for your VCR.

M Press the Channel Search button **22**. The Clock display **25** will now show the number of the waveband being searched.

N Wait until the time reappears on the Clock display **25**. This means that the VCR has found a station; a picture will appear on the TV set.

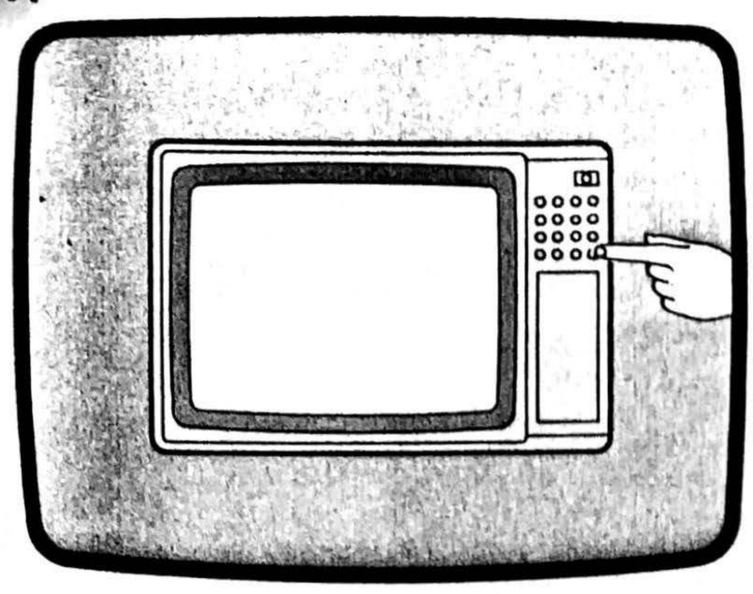
O To check which TV station you have tuned in to press the other TV set pre-selector buttons in turn until you find the button showing the same picture. Note: if you cannot find this picture; then the station found by the VCR is not stored on your TV set. If you do not want to store this station, go back to step **M**. If you do want to store the station, you should follow steps **P** and **Q**, reserving a channel number for the station.

P Press the Channel Store button **21**. The Channel display **30** will become blank.

Q Enter the number of the TV pre-selector into the VCR Keyboard **15** (this number will be shown on the Channel display **30**). Thus if the picture on the TV pre-selector 3 is the same as that on the VCR pre-selector of your TV set, enter 03 on the Keyboard **15**. Always enter two digits (if you make a mistake in entering the number, simply press the Channel Store button **21** once more, and enter the correct number).

Repeat steps **L** to **Q** until you have stored all of your TV pre-selector numbers. You can write the numbers you have stored in the list on the inside folder/cover; write the pre-selector number in the first column, and the name of the station in the last column.

R



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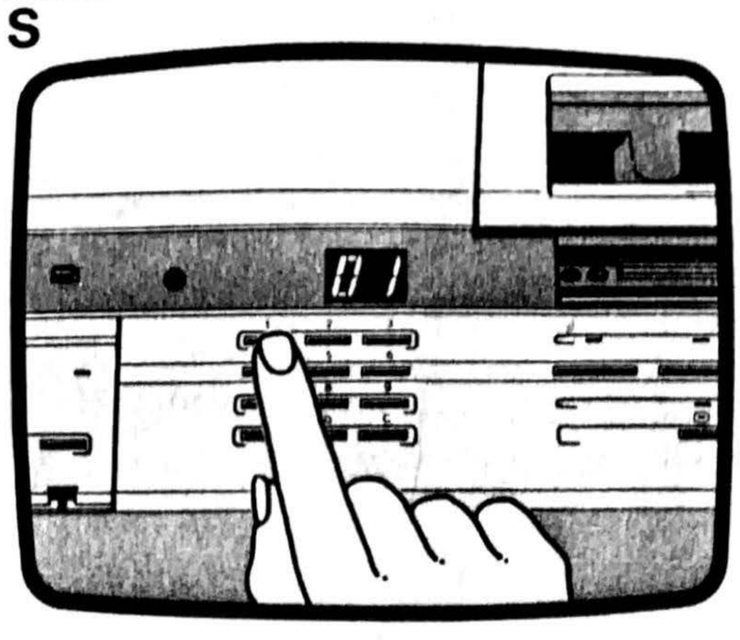

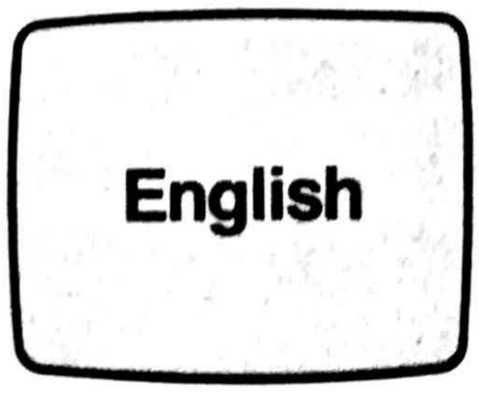

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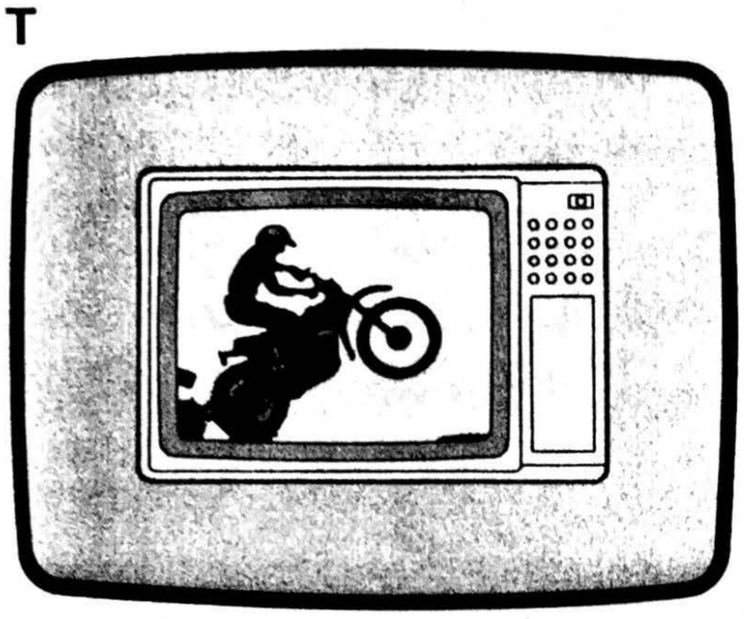

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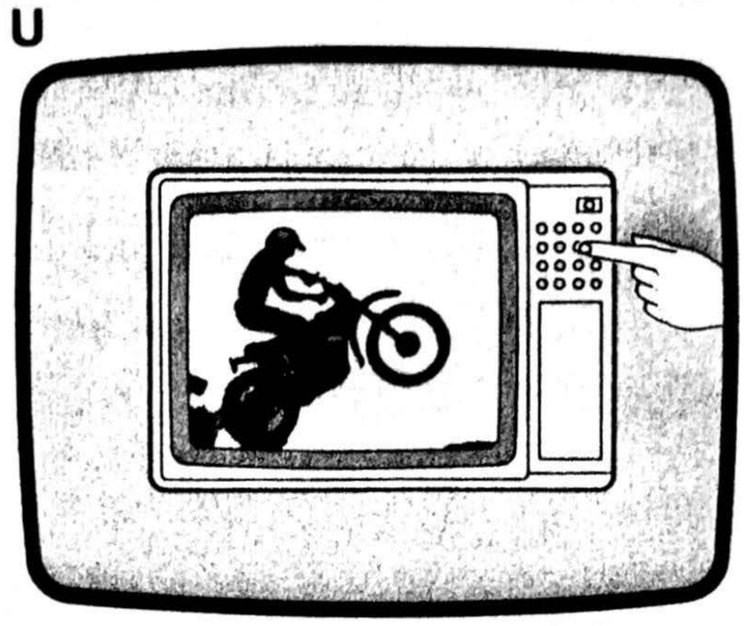

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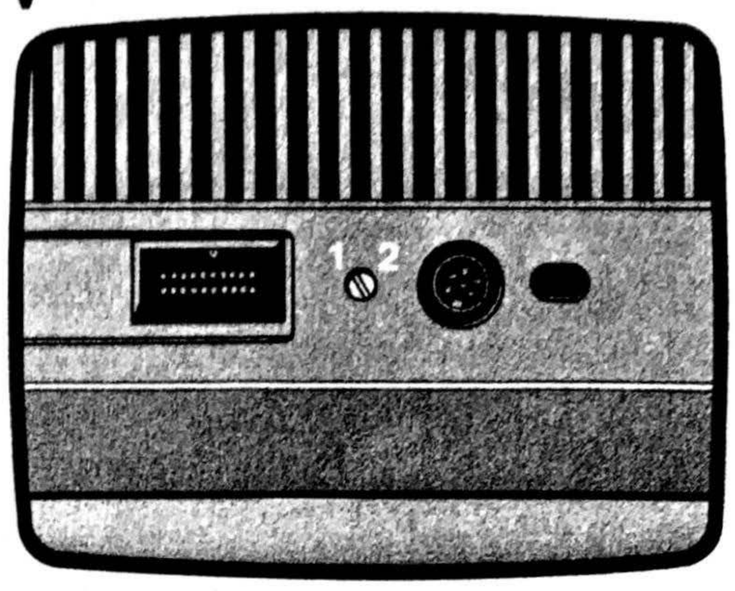

Checking the TV pre-selector numbers

R Press the TV pre-selector reserved for your VCR.

S Enter 01 on the VCR Keyboard **15** (it will be shown on the Channel display **30**).

T The TV should show the same picture as that on your first TV pre-selector button.

U If it does not, press the Channel Search button **22** repeatedly until you find the relevant station, then store the correct number in your VCR. Repeat steps **R** to **U** for all of your TV pre-selector buttons.

Note: Each of the pre-selectors on your TV holds a TV station which has its own channel number (often given in your radio/TV guide). If you also want to store the channel number of each station, repeat steps **L** to **Q**, but store channel numbers instead of pre-selector numbers (write the channel number in the middle column of the list on the side of the folder/cover). Do not enter more than 26 numbers altogether, and make sure that no two different stations are given the same number.

AV connection

V Some TVs are equipped with an AV (audio-video) socket. If you playback video tapes from the VCR via this socket, picture quality on the TV is improved. However, the following should be noted, since with some TVs the selection of AV mode differs when playing back video tapes.

Switch on your TV and select a channel (**not** the channel reserved for your VCR). Put a recorded cassette in the VCR; press Play button **5**. If the programme which was at first showing on your TV is replaced by the programme from the tape, your TV has automatic AV mode selection. In this case, set the monitor switch at the back of the VCR to position 1.

If the programme on the TV is not replaced by the recorded programme, AV mode on your TV is not automatic, and must be selected each time it is required. See your TV instructions for use to determine how to select AV mode. In this case, leave the monitor switch on the back of the VCR in position 2.

Now turn to the front of your Instructions for Use to familiarise yourself with the VCR's operation.